Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

rec'd 7/7/39

Volume 136 AUGUST 7, 1939 Number 6

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

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Volume 136 AUGUST 7, 1939 Number 6

Reporter's Nationwide Business Survey Shows Prosperity Burgeoning in Chemical Industries

Production, Sales, and Earnings Made Further Gains Over 1938 Records —Inventories Held Even—Prices Advanced Slightly—Sentiment Better

Sales of chemicals, oils, and drugs continued to increase steadily in volume during the second quarter of this year, and data contributed to the REPORTER'S nationwide survey for that period indicate that the volume was more than 10 percent larger than that in the corresponding quarter of 1938. Prices averaged something below the preceding year's levels; but, because of technical trends with a drift to materials of somewhat higher unit cost, the total value of sales in the quarter was more than 11 percent larger than that for the 1938 quarter.

In spite of expectations growing out of world conditions, speculative buying was but little in evidence during the quarter. Importers laid in surplus supplies of certain materials likely to be affected by events more or less clearly predicted. Manufacturing consumers were not similarly inclined as a general rule, and buying for nearby needs continued characteristic of their attitude. Because of the wide variety of interchangeable materials available in these days, the influence of threats of shortages has been considerably diminished with respect to the majority of articles in the category of chemicals, oils, and drugs.

Producers also did not speed up their operations in anticipation of curtailment of raw materials or in response to the possibility that business was headed for a boom. Their philosophy seemed to be based, as it had been for some time, on the belief that it is easier to make goods to meet orders in hand than it is to sell surpluses resulting from optimistic productive excesses. Production of chemicals, oils, and drugs in the second quarter was 8.1 percent larger than that in the corresponding period in 1938. This conservative response to the increasing volume of sales resulted in a small reduction of inventories as a whole; stocks of industrial chemicals were substantially larger than at the middle of 1938.

A natural improvement in sentiment was noticeable during the quarter — it was not 100 percent prevalent, of course—and the general feeling was that conditions were encouragingly better than they had been a year earlier. Revision of the Federal corporation tax law had, at least, a psychological effect for the better. Political uncertainties and aversions continued to exert a deterring influence, but the field was gradually being narrowed. Regard for conditions abroad did not sum up very large in the industries as a whole, although it had a naturally heavy weight in the more intimately related circles.

The physical and psychical condition of the chemical, oil, and drug industries during the second quarter was in close agreement with that of business as a whole. This is but natural: chemicals, oils, and drugs play so important a role in the needs of all industries that they must sensitively reflect general activity and its contributing sentiment. This barometric reflection was particularly noticeable in respect of prices. There was but a slight increase (0.4 percent) in the average during the quarter, and this average at the end of the period was still 2.6 percent below the 1938 level. Aside from instances in which they were affected by price practices in external fields, the chemical, oil, and drug industries manifested an earnest belief in the unwisdom of boosting prices as soon as even a semblance of evidence of increasing buying interest appears.

Of course the various divisions of the chemical, oil, and drug industries did not all fare equally well during the second quarter. Consequently some of them did not feel the urge toward marked gratification with the trend of events. But, taking them by and large, the prevailing sentiment was in no instance less cheerful than relevant conditions indicated; in fact, it was at least a little more encouraged in all. Not all divisions had larger sales than in the 1938 period. Sales of botanicals were 10.2 percent smaller; those of fertilizer materials and the diametrically opposite aromatic materials also fell short of the previous year's mark. Increases varied also, from 5.9 percent in coaltar chemicals to 27.2 percent in drugs and fine chemicals. Production records were similarly varied. Botanicals, with a drop of 26.8 percent, was at the bottom of the ten divisions covered by the REPORTER'S survey; aromatic materials and fertilizer materials also fell short of their 1938 marks. Paint materials led the group of larger production with a gain of 24.1 percent, closely followed by heavy chemicals and materials for the textile and leather industries. The smallest gain (7.4 percent) was reported for petroleum products.

Foreign trade in chemicals, oils, and drugs increased in both directions during the second quarter, and this brought the six months' total up to

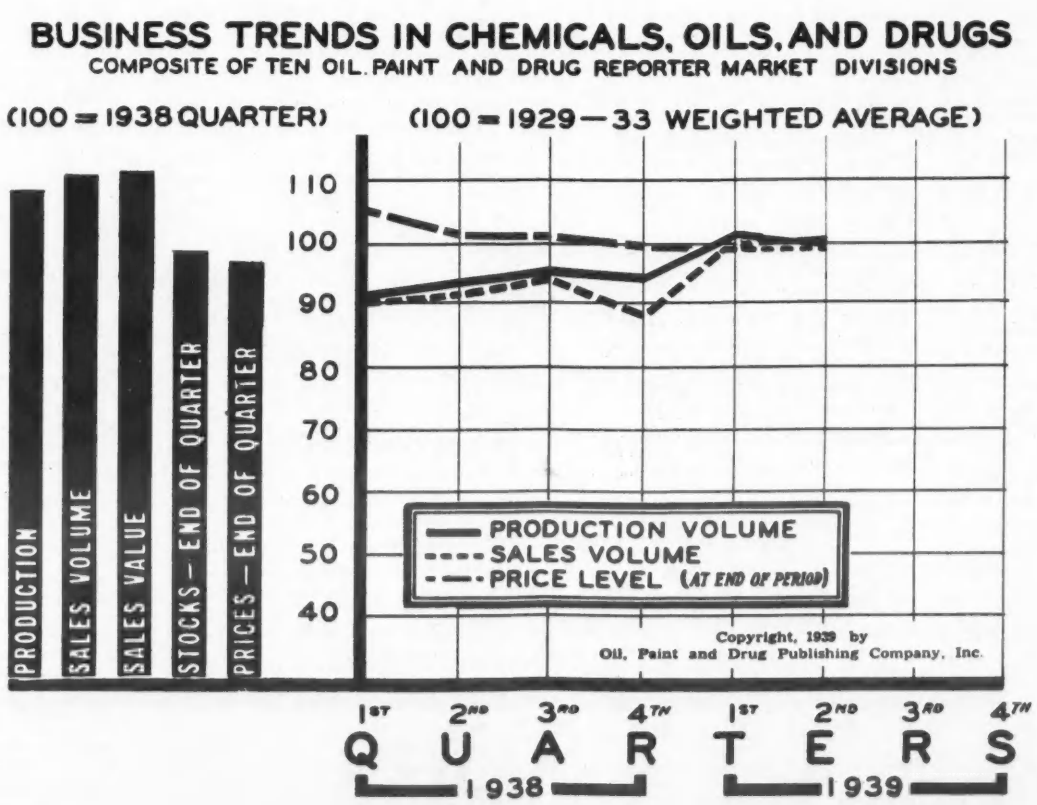
—Turn to page 26

Chemicals, Oils, Drugs

Conditions, January-June, 1939

(100 = Corresponding period of 1938)

Production, second quarter	108.1
Production, first half	103.5
Sales volume, second quarter	110.4
Sales volume, first half	108.6
Sales value, second quarter	111.3
Sales value, first half	112.1
Stocks, end of second quarter	99.4
Prices, end of second quarter	97.4
Exports (Jan.-June)—$169,164,709	+0.9
Imports (Jan.-June)—$290,269,707	+7.9
Credit conditions	Slightly better
Outlook	Brighter



Closing Market Developments

Peanut Conference Called

OPD Washington Bureau
August 4, 1939

The marketing division of the Agriculture Department has called a general conference of all interested August 15 to discuss proposals for continuing the peanut diversion program in 1940. Proposals have already been outlined through informal conferences with groups.

Feeding Tankage Advanced

As a result of the buying activity of feed manufacturers in the fertilizer market during the past week the price of domestic, ground animal tankage was advanced 5c. per unit-ton to $2.80 and 10c.

Cottonseed Oil Steady

Refined cottonseed oil futures were steady on Friday. Price movements were small. Trading was quiet, local and other operators being disposed to await the two government reports due this week before adding materially to their commitments on either side of the market. December closed at 5.95c. and January 6.02c., showing a decline of about a dozen points as compared with the final quotations of the previous week.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Copra: — Colombia has reduced the import duty on copra by 0.015 peso per gross kilo on imports of 10,000 metric tons annually.

Diethylamine: — The United Kingdom Board of Trade has received an application to exempt diethylamine from key industry duty.

Import Control:—Paraquay will exempt parcel post packages valued at less than 50 gold pesos from the necessity of obtaining a prior import permit.

Panama Invoices: — A Panaman decree provides that omission of the sworn declaration regarding the correctness of the data and the amount shown on the commercial invoice, which is required on each of the four copies of that document for shipments to Panama, will be subject to a fine of 5 percent of the total invoice value when the goods are cleared through the Panama customs.

Distribution Conference In Boston Oct. 2-3

Boston, Aug. 2, 1939

Distribution costs, government regulation of business practices, the effect of environmental changes on distribution, state trade barriers, new methods of checking advertising results and other subjects pertinent to the solution of distribution problems will make up the major topics scheduled to be discussed at the eleventh annual meeting of the Boston Distribution Conference, to be held in the Statler Hotel, October 2 and 3.

More than thirty speakers have been listed for the conference, which is sponsored by the retail trade board of the Boston Chamber of Commerce in cooperation with the Harvard University Graduate School of Business Administration, the Boston University College of Business Administration, the Massachusetts Institute of Technology, and others.

Freight Rate Probe Ordered by I.C.C.

OPD Washington Bureau
August 1, 1939

The Interstate Commerce Commission today ordered a general investigation of class rates for railroad freight throughout the country, except in northern Pacific territory. This investigation, which may run two or three years, will cover interterritorial rates, as well as rates existing within a single rate territory, but will not deal with commodity rates as such.

The investigation is designed to meet long-standing complaints of shippers in various regions that the present class rate structure discriminates against them.

Chemical Price Changes Divergent

Price changes in the markets for heavy and fine chemicals last week ran both ways. Nonferrous metals were on the upgoing side; reductions applied variously.

There was a turn-of-the-mouth slackening in demand, not very large, however. Demand for agricultural chemicals experienced a seasonal recession. Labor conflicts were not expected to present much obstruction.

Prices were advanced on lead, litharge, red lead, orange mineral, Straits tin, stannous chloride, tin crystals, stannate of soda, electrolytic copper, and aloin.

Prices were reduced on several sorts of aluminum powder and paste, vermilion quicksilver, medium grades of gum rosin, gum turpentine, some copals and dammars, and domestic egg albumen, and on high-grade dried blood, bone, and steamed bonemeal at Chicago.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained for the fifth consecutive week at the year's low of 125.3 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.7, compared with 89.1 at this time last year, and 90.0 in 1937.

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Philippine Export Tax Postponed by Congress

OPD Washington Bureau
August 3, 1939

Congressional action was completed today on a bill to modify economic relations between the United States and the Philippines prior to July 4, 1946, the date set by the Tydings-McDuffie act of 1934 for complete independence of the Philippine Islands.

The bill (H.R. 7096) was passed by the house July 31, and was accepted without amendment by the senate today. A somewhat similiar bill passed the senate earlier in the session, but the house refused to consider it because it dealt with revenue and did not originate in the house as provided by the constitution.

The Tydings-McDuffie act provides that the Philippine government impose an export tax on the shipment of commodities to the United States beginning October 15, 1940, and increasing gradually until reaching 25 percent of existing United States import duties on the date of independence. H.R. 7096 postpones the imposition of these taxes until January 1, 1941, in order to coincide with the beginning of a calendar year, and it also permits the exportation of fixed quotas of certain commodities free from the Philippine export tax.

In the case of coconut oil the taxfree quota is 200,000 long tons for the calendar year 1940, and the quota is to be decreased by 5 percent each succeeding calendar year. Shipments in excess of the quota will be subject to the full U. S. import duty. The bill continues the present prohibition on the use of the export tax for the subsidization of producers of copra and coconut oil, and also provides that no export tax may be imposed by the Philippine government on shipment of copra to the United States.

Soap Industry Wage Set For U.S. Contract Work

OPD Washington Bureau
August 1, 1939

Minimum wages in the soap industry to apply in fulfilling government contracts solicited on or after August 14, were established today by Miss Frances Perkins, Secretary of Labor.

The determination, made under the provisions of the Walsh-Healey government contracts act, calls for minimum wages of 40 cents per hour, or $16 per week of forty hours, arrived at upon either a time or piecework basis.

The industry is defined as the manufacture or supply of soap in bars, cakes, chips, and flakes, and in granulated, powdered, paste, and liquid forms, and glycerin; cleansers containing soap, scouring powders, shaving soaps and creams containing soaps, and washing compounds containing soap.

A public hearing in the matter of the prevailing minimum wages of the soap

—*Continued on page 62*

Salt Mine Project Approved by House

OPD Washington Bureau
July 31, 1939

The house today passed a bill (H.R. 6831) to authorize the Metropolitan Water District of Southern California to obtain leases from the public domain for the extraction of sodium chloride for water conditioning purposes.

Edwin A. Storms Heads N.Y. Smaller Industries

Edwin A. Storms, of the Storms-Harvey Equipment Company, this city, has been named president of Smaller Industries, New York District, Inc., a unit of the National Association of Smaller Business of America, the headquarters of which are in Columbus, Ohio. The association also voted to cooperate actively with other small business groups throughout the country in attendance at the American Small Business Day meeting at the New York World Fair, September 25.

Other officers elected were:—Vice-president, Clarence H. Dragert, of the C. H. Dragert Company; secretary, J. T. Murawski, of the Allied Loose Leaf Company, and treasurer, Charles T. Dudley. Directors elected were:—Thomas Lytle, James A. Marshall and Harry F. Winslow.

A.M.A. 'Trust' Case To Be Appealed

OPD Washington Bureau
August 3, 1939

The Department of Justice filed notice yesterday in the Federal district court here that it would appeal to the United States Court of Appeals in the District of Columbia from the ruling of Justice James M. Proctor dismissing the antitrust-law indictment against the American Medical Association and other organizations and prominent physicians. The department is still considering the advisability of appealing certain parts of the ruling directly to the Supreme Court of the United States.

The notice of appeal declared that the district court had erred in sustaining the defendants' demurrers to the indictment; erred in its construction and interpretation of the Sherman antitrust act as not applying to the medical profession; and erred in holding that the indictment was not properly drawn and was vague and uncertain.

The American Medical Association declares in its journal its purpose to fight the Department of Justice "to the finish" in what it characterizes as an effort "to undermine the confidence of the people in the medical profession."

'Listerine' Claims On Dandruff Banned

OPD Washington Bureau
August 3, 1939

The Lambert Pharmacal Company, St. Louis, as manufacturer of "Listerine Antiseptic," has entered into a stipulation with the Federal Trade Commission to cease and desist from representing by direct statement or by inference that all dandruff is due to an infection with *Pityrosporon ovale* or any other organism; that dandruff necessarily is a germ disease; that the dandruff germ has been isloated or identified; that the presence of *Pityrosporon ovale* necessarily means dandruff or that with its destruction dandruff disappears; that dandruff is necessarily infectious, contagious, or "catching," or is in all instances passed from one person to another; or that any of the foregoing assertions have been proven by findings of scientists or otherwise, or is a "scientific fact" or a "fact definitely established by scientists."

It is also stipulated that the respondent desist from, when such are not the facts, representing that "Listerine Antiseptic" either cures or permanently relieves dandruff, "kills the dandruff germ," "attacks the cause of dandruff," or "gets at the cause" or "at the root of the trouble," or penetrates infected hair follicles, or "annihilates" the dandruff germ; that the product frees the scalp and hair follicles of the parasite that saps their vitality or "spreads a germ-killing film over the scalp;" that the product has "marked curative properties due to certain ingredients in a unique combination shared by no other antiseptic"; that ordinary remedies "aren't even antiseptic," are "smelly," affect only surface symptoms, or merely remove surface symptoms temporarily; or that competitive products are obviously inferior to "Listerine Antiseptic" as a remedy for dandruff.

In respect of the stipulation with reference to claims made for "Listerine Antiseptic" for dandruff, John L. Johnson, president of the Lambert Pharmacal Company, has issued the following statement:—

As stated in the first part of the stipulation, the Lambert Pharmacal Company has conducted extensive research to determine the fundamental facts about dandruff. This research has been carried on

—*Continued on page 56*

Dr. H.F. Grady Nominated Ass't Secretary of State

OPD Washington Bureau
August 2, 1939

Dr. Henry F. Grady has been nominated to succeed Francis B. Sayre as Assistant Secretary of State by President Roosevelt. Dr. Grady is at present vice-chairman of the United States Tariff Commission. Mr. Sayre has been appointed United States High Commissioner to the Philippines. In 1937 Dr. Grady became a member of the Tariff Commission, and previous to that appointment served for several years as chief of the trade agreement division of the State Department.

Hospital Cooperative Approved by Congress

OPD Washington Bureau
August 2, 1939

The bill (H.R. 6266) to incorporate Group Hospitalization, Inc., in the District of Columbia, which had already been passed by the house, was passed by the senate today and sent to the White House. The organization was formed by local physicians as a non-profit corporation to provide hospital services at stipulated rates to persons of low income making monthly payments into the fund.

Hercules Powder Names Ott Research Director

Wilmington, Del., Aug.2, 1939

The Hercules Powder Company today appointed Dr. Emil Ott as director of research. With headquarters in Wilmington, Dr. Ott will be in charge of all company research. In this new position, he will work closely with those

Greystone Studios, Inc.

Dr. Emil Ott

consuming industries which can utilize the facilities of the Hercules Experiment Station. O. A. Pickett continues as director of the experiment station.

Dr. Ott was born in Zurich, Switzerland, and graduated from the Swiss

—*Continued on page 45*

Housing Fund Expansion Blocked by House Vote

OPD Washington Bureau
August 3, 1939

By a vote of 191 to 170 today the house refused a rule for debate on the bill to increase by $800,000,000 the bonded indebtedness of the United States Housing Authority. This action kills the chances of the bill's enactment in the present session of Congress.

In most part the refusal of consideration for this housing bill stemmed from the recently developed new phase of economy-mindedness in Congress. The vote followed closely that which earlier in the week similarly balked consideration of the bill to effectuate the President's ambitious spending-lending program. Some of the opposition grew out of political animosities; some was engendered by a desire for reprisal by agricultural representatives piqued by the "city vote" which had helped defeat the crop loan appropriation. But, the new idea of economy was the major factor.

Debate on the request for a rule on the housing bill was relatively short but acrimonious. Its opponents, for the most part, condemned it as a fraud in its purported self-liquidating phases and declared that it would involve an aggregate sum three or four times that of its stated face value of $800,000,000. They declared that there would be no return to the Federal government under the housing program, which gave municipalities the rents under slum-clearance and other projects and left the Federal government holding the bag, would leave it in this position for some sixty years, paying out about $75,000,000 a year to amortize the resulting indebtedness.

Advocates of the bill evidenced their preconviction that the request for a rule would be turned down. They endeavored to present benefits that have accrued and are accruing from the housing program, and they supported and asked support for the additional housing legislation with a plea for relief of patent human miseries. This plea was met with assertions that the housing plan was the application of socialism to public needs.

—*Continued on page 37*

F.T.C. Hits Basing Point Delivered Prices

OPD Washington Bureau
August 2, 1939

The Federal Trade Commission has amended its complaint issued in September, 1938 charging twenty producers of lime with fixing and maintaining by combination and agreement, the prices at which their product is sold to customers in the Southeastern States where all of their plants are located. The amended complaint involves the use of basing point delivered prices.

Although not organized as a formal trade association, the respondent producers of agricultural, chemical and building lime, it is alleged engage in their price-fixing practices with the aid and cooperation of their paid representative, Hal S. Covert, Knoxville, Tenn., whom the amended complaint also names as a respondent.

The amended complaint alleges that by concerted action, agreement and understanding among themselves and with others not joined as respondents under the commission's complaint, the respondents have put in effect policies, practices and competitive methods including:

A system of non-competitive delivered prices; use of so-called basing points whereby all delivered prices were calculated as though shipments were made by rail from a single point or points having

—*Continued on page 25*

Oil Investigation Ordered by House

OPD Washington Bureau
August 4, 1939

The house today passed a resolution directing its committee on interstate and foreign commerce to conduct an investigation of methods and practices employed in the production and storage of petroleum for the purpose of determining whether present practices are wasteful of petroleum and the reservoir energy available for its recovery.

The resolution was introduced by Representative William P. Cole, jr., of Maryland, who headed a somewhat similar investigation made by the committee in 1934. The resolution authorizes the committee to operate through a subcommittee, to sit during the recess of the house, and to require the attendance of witnesses and the production of documents. An appropriation of $15,000 was voted for the purpose.

The purpose of the investigation is to bring the 1934 findings down to date and to prepare the way for congressional consideration of the bill (H.R. 7372) introduced by Representative Cole, July 26, at the request of the President and which would give the Department of the Interior jurisdiction over the control of petroleum production to prevent waste.

Patent Reform Bills Approved by Senate

OPD Washington Bureau
August 1, 1939

The senate today passed a group of five bills, already passed by the house, to speed up procedure within the United States Patent Office by shortening the interference procedure and in other particulars. The bills were drafted by the Commissioner of Patents and were recommended by the Temporary National Economic Committee.

The senate also passed a bill to limit the life of a patent to twenty years from the date of filing the application or seventeen years from the date when issued, whichever is shorter. Under present law the life of a patent is seventeen years from the date of issuance, and it has been charged that some inventors deliberately delay completion of proceedings within the Patent Office in order to prolong the life of a patent. This bill has not yet been considered in the house, and a motion to reconsider the vote by which the senate passed it has been made by Senator Burton K. Wheeler of Montana, so the bill is still pending before the senate

Trend of Progress in Fungicides

By Dr. Hubert Martin

Research Station, Long Ashton, Bristol, England

Contribution to the symposium on "The Trend of Progress" July 13, 1939, at the annual meeting of the Society of Chemical Industry; reprinted from the July 8 issue of the society's publication, Chemistry and Industry.

As mankind is ultimately dependent for food and energy on the green plant, plant pathology is a science of prime importance. Its aim is the production of crops of the quantity and quality required, a task which may be described as growing healthy crops. It is axiomatic, therefore, that plant pathology must include the study of soil and climatic conditions in relation to plant growth. Indeed the earlier plant pathologists attributed most crop failures, the blights and blastings, to unfavorable weather or wrong nutrition. Some ninety years ago, however, the botanist de Bary recognized that disease in plants may be caused by fungi and, to this day, plant pathology and applied mycology are often used as synonymous terms.

The trend of plant pathology is now away from mycology, or rather, the share of mycology in the training of the plant pathologist, though always great, is becoming less conspicuous. The raising of varieties of crop-plant resistant to unfavorable soil, climatic, or biological agencies; the study of the effects of soil and nutrient conditions on plant growth; the elucidation of the mechanism of parasitism which ultimately will be interpreted in biochemical terms; such are the more important of the subjects which share, with mycology, in the build-up of the plant pathologist.

The extremist could today make a good case against the policy of the recruitment of advisory and research workers in plant pathology from the ranks of pure entomology and mycology, but he would have to ignore a conservative reluctance to change names and titles to conform to development. The greater part of phytopathological research tends more and more to be carried out by teams of workers composed of mycologist, entomologist, chemist, physiologist, breeder, and the practical agriculturist. But adherence to the practice of calling the plant pathologist a mycologist has given a semblance of truth to opinions, lately aired in the semipopular press that plant pathology is proceeding on wrong lines. These opinions are based on the thesis advocated, in particular, by Sir Albert* Howard* that disease and pests are but indicators of improper nutrition. Therefore, it is argued, the pathologist should turn more to practical agriculture; that modern methods of plant protection, especially those involving the use of insecticides and fungicides, are radically unsound "and remove the censors which nature has provided for keeping our agriculture up to the mark." It seems that the remedies to be substituted are the introduction of resistant varieties of crop-plant and the maintenance of growth conditions encouraging resistance.

Future of Fungicides

If this thesis is sound the future of fungicides is oblivion "or the museum";

* References indicated by numerals will be found at the end of the instalment.

—*Continued on page 35*

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CHEMICAL WORKS

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 56-lb. lots, works....lb. .70 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¼- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 80%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.92
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ten..111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .12½- .13
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Acid Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Dms., smaller quantities, dlvd., N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., grain., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms. .....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¼- .07
tanks .....lb. .06 - —
Cresylic, high-boil, dom., c.l., works, frt equld..gal. .49 - —
l.c.l., same basis.....gal. .50 - —
Special blends, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .55 - —
l.c.l., same basis.....gal. .56 - —
imported, pale, dms.....gal. .48 - .54
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .75
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls.....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11¼- .12
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .15¼
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade .....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .12¾- .13¼
Laurent's, bbls. .....lb. .45 - —
Linseed oil, dark, dms.....lb. .10 - .10½
light, dms.....lb. .11 - .11½
extra white, dist., dms....lb. .12¼- .12½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots. .....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works..100 lbs. 2.70 - —
tanks, works .....100 lbs. 1.15 - —
Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works .....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280 dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347 cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Pieric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .26 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, distil., double pressed, bgs., dlvd..lb. .10¾- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13¼- .14¼
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works. 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16¼- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.— 100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs.....lb. .78 - —
smaller lots.....lb. .80 - —
Tartaric, USP, dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment. lb. .27½- —
kgs. .....lb. .28½- —
smaller quantities.....lb. .27¾- —
Tobias, bbls.....lb. .60 - .65
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., wks.....lb. 2.35 - 2.55
Chem. grade, kgs., wks....lb. 1.70 - 1.80
Aconite, leaves, bls.....lb. .25 - .26
Root, bls. .....lb. .25 - .26
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No prices
Agaric, white, bls.....lb. 3.00 Nom.

Acacia—Aldehyde Bisulphite

Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld...lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .16 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .53 - .60
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .58 - 62
dom., pwd., dms., bbls., lb. .63 - .67
import, cs. .....lb. .63 - .65
Alcohol, amyl (see also Fusel oil, refd.), sx pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .65 - —
Butyl, normal, cns., works..lb. .12½- .14¼
dms., c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
tankwagon, frt. alld.....lb. .07½- —
secondary, dms., c.l., frt. pd., E. of Miss. R.....lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .95 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.90 - —
25 lbs.....lb. 1.98 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.80
Denatured, CD14, dms., c.l., works, E..gal. .27½- —
l.c.l., works, dms.....gal. .31½- —
tanks, E., works.....gal. .21½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .26½- —
19 bbls., E. works...gal. .28½- —
1 to 18 bbls., E. works, gal. .31½- —
dms., c.l., E. works....gal. .25½- —
19 dms., E. works....gal. .27½- —
gal. .30½- —
tanks, E. works.....gal. .19½- —
Anhydrous, 2c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .24½- —
19 dms., works, E...gal. .26½- —
1 to 18 dms., works, E. gal. .29½- —
tanks, E., works.....gal. .18½- —
SD23-G, works, E., dms..gal. .30 - —
19 dms. .....gal. .32 - —
1 to 18 dms.....gal. .35 - —
tanks .....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .26½- —
20 dms., E. works...gal. .28½- —
1 to 19 dms., E. works, gal. .31½- —
tanks, E. works.....gal. .20½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15¼
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.58 - —
19 bbls.....gal. 4.56½- —
1 to 18 bbls.....gal. 4.59½- —
dms., c.l.....gal. 4.49 - —
19 dms.....gal. 4.55½- —
1 to 18 dms.....gal. 4.58½- —
tanks .....gal. 4.46 - —
absolute, dms., c.l.....gal. 4.84½- —
19 dms.....gal. 4.88 - —
1 to 18 dms.....gal. 4.91 - —

Grain alcohol 25c. gal. higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 83,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .0680- —
l.c.l., same terms.....lb. .0730- —
tanks, same terms.....lb. .0580- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.e.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat, grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —

Aldol—Black, Carbon

Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works..lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs..lb. .37 - .38
Alizarin (see Red, alizarin).
Alkanet root, bgs..lb. .11 - .12
Aloe, Barbados, true, cs..lb. .85 - .90
Cape, cs..lb. .18½- .20
Curacao, cs..lb. .43 - .44
gourds, bbls..lb. .80 - .85
Socotrine, kgs..lb. .40 - .45
Aloin, 140-lb. bbls..lb. 2.95 - —
100-lb. kgs..lb. 2.97 - —
25-lb. fib. dms..lb. 3.04 - —
Alphanaphthol, bbls..lb. .52 - —
Alphanaphthylamine, bbls..lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .30 - .32
peeled, bls..lb. .24 - .25
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works..100 lbs. 3.15 - —
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works..100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works..100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works..100 lbs. 3.65 - —
dlvd. N.Y., Phila..100 lbs. 3.65 - —
powd., bbls., works..100 lbs. 3.80 - —
dlvd. N.Y., Phila..100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls..lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd..100 lbs. 4.25 - 5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
f.c.l., dlvd..lb. .09 - —
basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd..lb. .12 - —
basic powd., bbls., dlvd..lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works..lb. .07 - —
1,100 to 11,000 lbs., works, lb. .08 - —
140 to 875 lbs., works..lb. .09 - —
100 lbs., or less, works..lb. .10 - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., dms., works..lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works..lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd..lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works..lb. .03½- —
bgs., c.l., works..lb. .0260- —
light, bgs., c.l., dlvd..lb. .12 - —
l.c.l., bgs., dlvd..lb. .12½- —
bbls., c.l., dlvd..lb. .12½- —
l.c.l., bbls., dlvd..lb. .13 - —
Oleate, dms., contr..lb. .16¾- —
open order..lb. .17½- .18½
Palmitate, precip., bbls..lb. .23 - —
Resinate, precip., dms., dlvd..lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .16 - —
l.c.l., ton..lb. .17 - —
less than ton..lb. .21 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - —
l.c.l., works, frt. equald., 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald..100 lbs. 1.35 - —
l.c.l., works, frt. equaled 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.30 - —
l.c.l., works..100 lbs. 1.55 - —
bbls., c.l., works..100 lbs. 1.50 - —
l.c.l., works..100 lbs. 1.75 - —
Aluminum, 98-99%, c.l..lb. .20 - —
l.c.l..lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs..lb. .70 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs..lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .40 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 50,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins..oz. 17.00 -26.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs..lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd..lb. .23 - .26
Aldehyde, dms..lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works.. lb. .05 - —
pure, cyls., dlvd., met. N.Y.lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys..lb. .05 - —
dms., c.l..lb. .02 - —
l.c.l..lb. .02¼- —
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit, lb. .04 - —
Ammonia, aqua, grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit..lb. .03¾- —
Benzoate, dms., 4,000 lbs. or more..lb .40 - .42
1,000 lbs. to 3,900 lbs...lb. .41 - .43
900 lbs. or less..lb. .42 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less..lb. .42 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls..lb. .30 - .32
Bifluoride, bbls..lb. 14½ 16½
Borate, bbls., kgs..lb. .15 - .16
Bromide, gran., bbls..lb. .35 - —
bxs..lb. .38 - .39
kgs..lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 12½
imported, casks..lb. .08 12¼
USP, lump, dms..lb. .08 - .17
powd., bbls., dms..lb. .09 .20
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls...lb. .13 - .18
100 lb. kgs..lb. .15 - —
Citrate, dms..lb. .80 - —
cns..lb. .85 - —
Fluoride, bbls..lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, dms..lb. 1.25 - 1.27
jars..lb. 1.35 - —
Iodide, 5-lb. bots..lb. 3.62 - —
jars..lb. 3.45 - —
Linoleate, 50%, anhyd., bbls. lb. .11 - —
Molybdate, kgs., wks..lb. 1.05 - 1.20
Nitrate, tech., bgs., c.l., works, 100 lbs. 3.80 - —
l.c.l., works..100 lbs. 3.85 - —
bbls., c.l., works..100 lbs. 3.80 - —
l.c.l., works..100 lbs. 4.05 - —
Oleate, dms..lb. .11 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure, gran..lb. .32 - —
Perchlorate, kegs..lb. .16 - .18
Persulphate, kgs..lb. .21 - .22
Phosphate, dibasic, N.F.V., bbls., lb. .37 - —
kgs..lb. .39 - —
tech., bbls., c.l..lb. .07½- —
l.c.l..lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos- bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls..lb. .40 - .45
tech., bbls., c.l..lb. .07½- —
l.c.l..lb. .09 - .10
Salicylate, U.S.P., kgs..lb. 1.15 - 1.20
Silicofluoride, im., 350-lb. bbls., f.o.b. N.Y..lb. .09 - —
5 bbls., same basis..lb. .08½- —
Stearate, anhydrous..lb. .22 - —
paste..lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. Aug. shipt..ton. 26.75 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works..lb. .12 - .13
tanks, dlvd..lb. .07½- —
red, 48%, cbys., works..lb. .07½- —
dms., works..lb. .05½- —
yellow, 53%, cbys., works..lb. .07½- —
dms., works..lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .55 - .75
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l..100 lbs. 6.00 - 6.70
white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, casks..100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd..lb. .11½- .13½
l.c.l., dlvd..lb. .12 - .14
tanks, dlvd..lb. .10½- .12½
cns., works..lb. .16 - .18
ex pentane, dms., c.l., frt., alld..lb. .10½- —
l.c.l., frt., alld..lb. .11½- —
tanks, frt., alld..lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns..lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works..lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works..lb. .0665- —
tanks, works..lb. .0465- —
Nitrite, bots..lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works..lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs..lb. .61 - —
cns., 25 lbs..lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works..lb. .11 - —
tanks, works..lb. .09 - —
Anethol, bots..lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .20 - .21
import, natural, bls.....lb. .20 - .22
twisted, bls..lb. .28 - .30
Angostura bark, bls..lb. .80 - .81
Anilin oil, dms., c.l..lb. .15 - —
l.c.l..lb. .16 - —
tanks..lb. .14½- —
Salt, dms., works..lb. .22 - .24
Anise, Spanish, bgs..lb. .16 - .16½
Star, bgs..lb. .15 - .16
Anisic aldehyde, bots..lb. 3.00 - 3.10
Annatto paste, bxs..lb. .34 - .39
seed, bgs..lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks..lb. .65 - —
Anthraquinone, 99.6%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys..lb. .17 - —
Metal, spot..lb. .12 - —
Needle, powd., ton lots, bulk, lb. .12 Nom.
bbls., kgs..lb. .14 - .16
Oxide, bgs., c.l., dlvd..lb. .10 - .11
l.c.l., ex whse..lb. .10½- .11¼
Salts, 65%, kgs..lb. .35¾- .37
White pigment, bgs., f.o.b. Laredo, Tex..lb. .11¼- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots..lb. 2.10 - 2.15
Apomorphine, bots..oz. 25.20 -27.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls..lb. .18 - .20
triple, bbls..lb. .18 - .20
Areca nuts, powd., bbls.....lb. .10 - .11
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls..lb. .27 - .28
Root, bls..lb. .36 - .37
Arrowroot, St. Vincent, powd., bgs..lb. .06 - .06½
bbls..lb. .06½- .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.35 - —
jars..lb. 5.20 - —
Red, import, cs..lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l..lb. .03¾- —
Asafetida, cs..lb. .23 - .24
powd., bbls., bxs..lb. .40 - .45
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 43.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y. lb. .08½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots..oz. 4.50 - 5.00
Sulphate, bots..oz. 2.60 - —
cns..oz. 2.50 - —

B

Balm of Gilead buds, bgs.....lb. .36 - .40
Barberry bark, bgs.....lb. .17½- .18
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.00 - 3.10
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 41.00 -43.00
99% thru 200 mesh, bgs., c.l., works..ton. 43.00 -45.00
precip., bgs., c.l., works..ton. 52.50 - —
Chicago.....ton. 55.00 - —
l.c.l., works.....ton. 57.50 - —
Chicago.....ton. 60.00 - —
bbls., c.l., works.....ton. 57.50 - —
Chicago.....ton. 60.00 - —
l.c.l., works.....ton. 62.50 - —
Chicago.....ton. 65.00 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .25 - —
kgs..lb. .27 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis. ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. S. Carolina, Ga., Ala., Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
bbls., l.c.l., bgs., same basis..ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l. same basis.....ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12½
Fluosilicate, bbls.....lb. .11½- .12¼
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04½- .05
Iodide, bots.....lb. 4.45 - 4.60
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs..lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago.....ton. 31.15 - —
Cleveland.....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston.....ton. 31.70 - —
Philadelphia.....ton. 30.50 - —
ex whse., Baltimore..ton. 32.10 - —
Boston.....ton. 35.20 - —
Chicago.....ton. 30.95 - —
Cleveland.....ton. 33.00 - —
Detroit.....ton. 33.00 - —
Kansas City.....ton. 30.95 - —
Los Angeles.....ton. 42.00 - —
Barytes, dom., floated, paper bgs., l.c.l., ex whse., New York, ton. 31.50 - —
Philadelphia.....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto.....ton. 39.50 - —
southern off color, bulk, mines, ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
German, ungrd., bulk, c.l., ex dock..ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .13 - .18
Belladonna leaves, bls.....lb. .12 - .15
Root, bls.....lb. .17 - .20
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .42 - —
dms.....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans. lb. .71 - —
dms.....lb. .67 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 4.60
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns.....lb. 16.75 - —
Sulphate, cns.....lb. 16.75 - —
Berberis root, bls.....lb. .11 - .13
Betanaphthol, sublim., kgs.....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls. works...lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs.....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .16 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.35
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars.....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns.....lb. 3.15 - —
Metal, ton lots.....lb. 1.10 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.13 - 1.19
Subcarbonate, bots., cns.....lb. 1.52 - 1.78
fib. dms.....lb. 1.43 - 1.46
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.94
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.85 - —
Subnitrate, powd., bots., cns., fib. dms.....lb. 1.32 - 1.53
Subsalicylate, 62-66%, bxs...lb. 1.22 - 1.30
bbls., fib. dms.....lb. 2.44 - —
Sulphocarbolate, 5-lb. bots...lb. 2.35 - —
fib. dms.....lb. 3.61 - —
Trioxide, powd., 5-lb. bots...lb. 3.50 - —
cns.....lb. 3.56 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.45 - —
cns.....lb. 3.40 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.30 - —
fib. dms.....lb. 3.14 - —
Black, acetylene, c.l., works, duty paid..lb. 3.05 - —
Bone, 1A, bbls., bxs., c.l., frt. alld. E..lb. .14 - —
l.c.l., frt. alld. E.....lb. .16 - —
1, bbls., bgs., c.l., frt. alld. E..lb. .16¼- —
l.c.l., frt. alld. E.....lb. .18 - —
2, bbls., bgs., c.l., frt. alld., E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .13½- —
3, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., l., frt. alld. E. lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .06½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bxs., c.l., frt. alld. E..lb. .07¼- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E..lb. .05½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09¼- —
8, bbls., bgs., c.l., frt. allds. E..lb. .10 - —
l.c.l., frt. allds. E.....lb. .10½- —

Bone black prices on Pacific Coast are 1c per lb. higher, ex dock or ex whse

Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07¼- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27¼- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal) 50,000 lbs., dlvd., Zone C (Pac. Cst., State)..lb. .0319- —
20,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .02¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W Va.)..lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G. (Mexico) f.o.b. border..lb. .03 - —

Black, carbon, standard, 30,000 lbs., dlvd., Zone G, f.o.b. N. Orleans..lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l.. dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¼ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l.. works..lb. .07¾- .08¼
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05¾- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .20 - .21
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l...ton.60.00 - —
l.c.l. .....ton.65.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
pulp 60%%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.25
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.50 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.30 - —
import, bgs., c.i.f. ports, shpt., unit-ton. 2.70 - —
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ¼c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 2.30 - 2.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 2.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls. .....lb. .13 - .14
Blue mass, USP., cns.....lb. 1.10 - —
powd., cns.....lb. 1.12 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works..100 lbs. 4.25 - —
l.c.l., 10-50 bbls., same basis, 100 lbs. 4.40 .- —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis..... 100 lbs. 4.75 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 8.65 - 8.90
l.c.l. dealer.....100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 - —
import, bgs., c.i.f. ports.ton.24.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.26.00 - —
import, 100-lbs. bgs., c.i.f ports, shipt..ton.23.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls.....lb. .16 - .17

Borax, tech., 99½%, cryst., bbls., contracts, 50 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 50 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .55
moulding, cns., dms., over 10 lbs..lb. .65 - .90
Bronze, printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11

Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works, lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis..lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06¾- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —

Brown, umber, Turkey, bbls., l.c.l., ex whse., Boston..lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04⅞- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .32 - .33
Buckthorn bark, true, bls.....lb. .06 - .06¼
cut and sifted, bbls.....lb. .9 - .11
Berries, bgs. .....lb. .16 - .17
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .05 - .05¼
Butanes, coml., 16-34°, tanks, group 3, .gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .12½- .14½
dms., c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, contract, frt. alld..lb. .07 - —
tankwagons, frt. alld.....lb. .07½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —

Black, Carbon—Butyl Aldehyde

PLANNING AHEAD WITH THE BUILDERS OF PROGRESS

Alertness To Changing Needs Makes Witco a Valuable Source of Supply For Industries of Today and Tomorrow

● Men with vision in the industrial world are laying the foundation of future progress on firm scientific grounds. Emphasis is on research that creates new products to sell, new methods of production that lower costs and improve quality. As a modern source of supply for their working materials Witco keeps pace with these efforts and demands—is constantly developing new and improved materials which assure customers higher quality production. You will benefit by this service that is planned ahead to help you progress.

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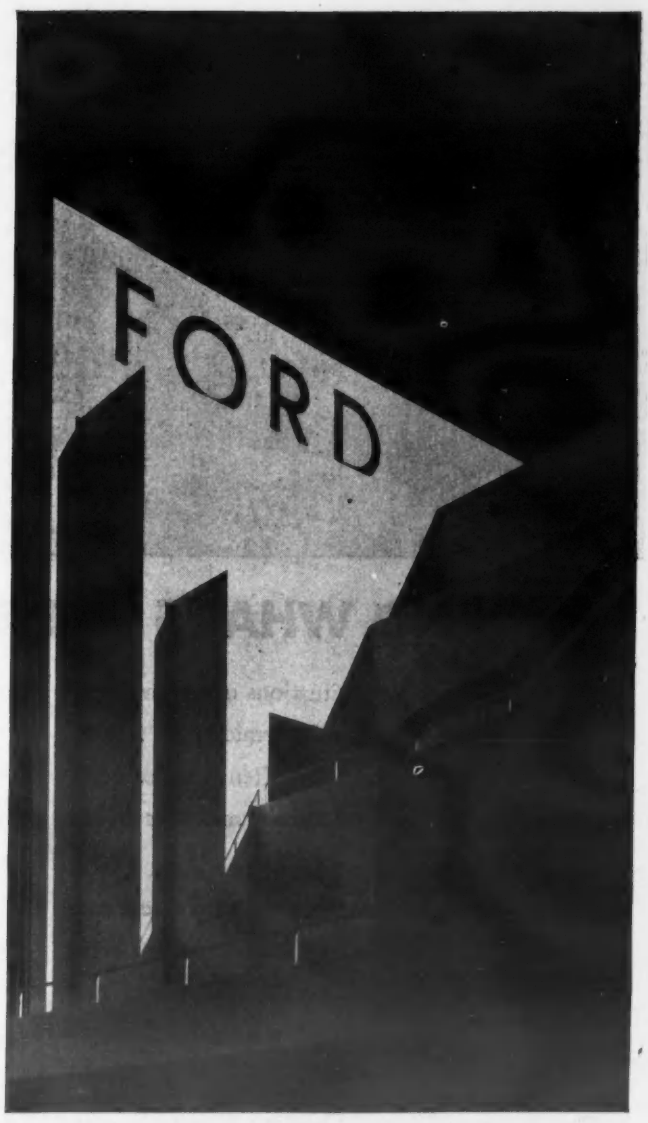

AS A LEADER in the field of motor cars, the Ford Motor Company uses discrimination in the selection of all materials used in its manufacturing processes. Witco Carbon Black is one of the important Witco products used extensively by this great pioneering company, whose strikingly conceived building at the New York World's Fair 1939 is illustrated above.

Butyl Carbinal—Chamomile

Butyl, carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .. ..lb. .23 - —
crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .75 - —
5 & 10 gal. dms., dlvd....lb. 1.00 - —
Butyl, ether (see under Ether).
Lactate, dms .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars .....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots. .....lb. 4.01 - —
25-lb. cns. .....lb. 3.87 - —
Lithopone (see Yellow)
Metal, pat. shapes, cs.....lb. .55 - —
ingots, or sticks.....lb. .50 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs. .....lb. 2.35 - —
25-lb., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs. .....lb. 2.43 - —
25 lbs. .....lb. 2.56 - —
Caffeine, 10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs. .....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns. .....lb. 1.80 - 2.10
Hydrobromine, bots. .....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .20 - .21
Calamus root, peeled, N.F., cs. lb. .15 - .17
bleached, bls.....lb. .45 - .50
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd....lb. 4.75 - —
l.c.l., f.o.b. warehouse...lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.2[illegible]
Calcium, gluconate, USP, gran., powd., bbls., 125 lbs..lb. .50 - —
dms, ...lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during July, August, September, ton.27.25 - —
Palmitate, bbls. .....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works., 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls.,200 lbs..lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .26 - .27
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.52 - —
Camphor, natural, powd., cs...lb. .47½- .48
slabs, cs.....lb. .48 - .48½
tablets, tins.....lb. .54 - .54½
Camphor, synth., dom., tech., bbls., contract, 2,000 lbs., or more, works..lb. .35 - —
smaller lots, works....lb. .40 - —
USP, or import., gran., powd., bbls., 2,000-lb. lots....lb. .46 - —
1,000-lb. lots.....lb. .47 - —
smaller lots.....lb. .48 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .0380- .0410
Morocco, bgs. .....lb. .04 - .04¼
Turkish, bgs. .....lb. .0380- .0410
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .90 - .92
powd., bxs.....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .08½- .09
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works .....lb. .34 - —
tanks, works .....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l. same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .09 - .09¾
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. gal. .66¼- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10 gal., dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½ gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l.,frt. alld.....gal. 1.20 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10 gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs. .....lb. .71 - .72
green, bgs. .....lb. .50 - .52
Carob bean flour (see Gum, Locust bean).
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .10 - .11
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dvld..lb. .11 - .12
5 tons, works.....lb. .12½- .13¼
smaller lots, works.....lb. .13¾- .14¼
80-100 mesh, bgs., c.l., dlvd., lb. .11½- .12½
5 tons, works.....lb. .13 - .13¾
smaller lots, works.....lb. .14¼- .14¾
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .10 - .10¼
80-100 mesh, bgs., c.l., duty paid..lb. .10½- .10¾
French, 30 mesh, bgs., c.l., duty paid..lb. .09½ Nom.
Cassia, Batavia, 1, bgs.....lb. .15½- .16
shortstick, bls.....lb. .12½- .13
broken, bls. .....lb. .10 - .10½
China, rolls, select, bls.....lb. .08 - .08¼
broken, extra, bls.....lb. .08¼- .08½
Saigon, bls. .....lb. .15 - .15½
Cassia, buds, cs.....lb. .14½- .15
Cassia fistula, bskts.....lb. .08 - .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½%, ammon., bgs., c.l., works..ton.16.50 - —
import, bgs., c.i.f., ports, shipment..ton.18.00 - —
Catnep leaves, Southern, bls...lb. .18 - .20
western, bls.....lb. .20 - .21
Celery seed, French, bgs.....lb. .14 - .14½
Indian, bgs.....lb. .12 - .12¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works..lb. .37 - —
Acetobutyrate, 10,000 lbs. and over..lb. .48 - —
5,000 to 9,980 lbs.....lb. .485 - —
2,500 to 4,980 lbs.....lb. .49 - —
1,000 to 2,400 lbs.....lb. .495 - —
100 to 900 lbs.....lb. .505 - .89
Acetopropionate, 10,000 lbs. and over..lb. .50 - —
5,000 to 9,980 lbs.....lb. .505 - —
2,500 to 4,980 lbs.....lb. .51 - —
1,000 to 2,400 lbs.....lb .515 - —
100 to 900 lbs.....lb. .525 - .54
Triacetate, flake, cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .27
Roman, bls.....lb. .28 - .32

•••"AND WHAT'S THE EXCUSE *THIS* TIME?"

In the life of every plant situations occur involving the handling and storage of chemicals . . . "that could have been avoided." But often it is not quite clear as to just what the precautionary measures should have been . . .

Particularly is this sometimes the case where new processes are being introduced. New processes often involve the use of new chemicals. The use of new chemicals often involves a highly specialized knowledge of their handling.

That is where General Chemical Company comes in. On the General Chemical staff there is a specialist—or even a group of men who make a life's work of handling particular chemicals . . . of helping engineers and chemists introduce new chemicals and install new processes in plants.

Where a new process, or a departure from orthodox chemical procedure is contemplated—or where a "tailor-made" chemical is necessary—General Chemical Company *can help you*. Discussions of your problems are held in the strictest confidence. Your inquiries are cordially solicited.

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Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso)...ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks..lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .06¼- —
contracts, dlvd., N. Y..lb. .06¼- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, wks., frt. equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 180-lb. cyls., works..lb. .80 - —
100 lb. cyls., works.....lb. .85 - —
5-25 lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½% cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works...ton.14.00 -15.00
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms..100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 2.25 - 2.50
Cinchona bark, quill, USP., 10 in., medium, cs..lb. .50 - .55
20 in., thick, cs.....lb. .60 - .65
20 in., medium, cs.....lb. .55 - .60
USP, broken quill, red, bgs., lb. .25 - .26
yellow, bgs.....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .53 - —
large, cns.....100 ozs..oz. .57 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .54 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .14½- .15
3 bls.....lb. .14 - .14½
Citral, bots., cns.....lb. 1.40 - 2.10
Citrine ointment, jars, tubes..lb. .78 - —
Citronellal, bots., dms.....lb. .75 - .90
Citronellol, bots., dms.....lb. 1.60 - 1.65
Clove, Madagascar, bls.....lb. .13¾- .14¼
Zanzibar, bls.....lb. .16 - .16½
Clover tops, bgs.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works.....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .65 - .67
Carbonate, pwd., bgs., wks., lb. 1.25 - 1.60
Chloride, kgs., wks.....lb. .76 - 1.20
Hydrate, bbls.....lb. 1.75 - —
Linoleate, paste, 6%, dms....lb. .51 - —
solid, 8½%, bbls.....lb. .53 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine, hydrochloride, 100 ozs., oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocoa butter, bulk, c.l., bgs...lb. .10¼- .10½
Cocillana bark, bgs.....lb. .14 - .15
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06½- .07
Blue, root, bls.....lb. .06 - .07
Colchicine, bots., 4 ozs.....oz.18.00 - —
single ozs.....oz.19.00 - —
Colchicum seed, bgs. .....lb. .24 - .26
Collodion, USP, dms., 325 lbs..lb. .12¾- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14¾- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .26
Colombo root, bls.....lb. .07 - .08
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .22½- .23
S. A., USP, cns.....lb. .23½- .24
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54 pc., bbls...lb. .14 - .15
20%, bbls.....lb. .10½- .11¼
Chloride, cryst., bbls.....lb. .12½- .13½
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10½- —
Nitrate, cryst., bbls.....lb. .1480- .1530
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, N. Y..lb. .15 - .16
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .15¾- .16¾
Rosinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.19.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.45 - —
5-24, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0165 Nom.
Coriander seed, Morocco, bgs..lb. .03⅝- .04
bleached, bgs.....lb. .06 - .06½
Corn sugar, chipped, bgs., c.l., dlvd..100 lbs. 2.89 - —
slabs, bbls., c.l.....100 lbs. 2.81 - —
solid, bbls., c.l.....100 lbs. 2.98 - —
Syrup, 42°, bbls., c.l.....100 lbs. 2.92 - —
43° bbls., c.l.....100 lbs. 2.97 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.82 - —
gran., powd., dms., 50 lbs. or more..lb. 1.17 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .19 - .21
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .13½- .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .22¼- —
smaller lots, bbls.....lb. .22¾- —
kgs.....lb. .23¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09½- —
l.c.l., same basis.....lb. .10 - —
special resin grade, dms., c.l., works..lb. .08¼- —
l.c.l., same basis.....lb. .08¾- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .28 - .30
powd., cs.....lb. .30 - .31
Culver's root, bls.....lb. .14 - .16
Cumin seed, Algerian, bgs.....lb. .08 - .06¼
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04 - —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2, unit ton. 1.27½- —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran.. dms.....lb. .15 - —
Cyclohexane, 98-100%, dms.,works, frt. alld., E. of Rockies..lb. .25 - —
Cyclohexanol, 98-100%, dms.,works, frt. alld., E. of Rockies..lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .14 - .15
Dandelion root, German, bls...lb. .14 - .15
Deertongue leaves, bls.....lb. .09 - .10
Degras, common, dom., bbls...lb. .07 - .08
English, bbls. .....lb. .07 - .08
neutral, dom., bbls.....lb. .10 - .13
English, bbls. .....lb. .10 - .13
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34

4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk cns....lb. 2.25 - 3.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.55 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.50 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.45 - —
Potato, import, bgs.....lb. .07 - .07⅝
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd. .....lb. .21½- —
tanks, dlvd. .....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works .....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.22.00 -23.00
Dibutylamine, dms., c.l., works, lb .50 - —
l.c.l. .....lb. .51 - .53
tanks, works .....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd. .....lb. .19½- —
tanks, dlvd. .....lb. .18 - —
cns., works .....lb. .23¼- .23½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0821- —
l.c.l. .....lb. .09 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniline, dms. .....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .35 - .36
Diglycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
tanks, dlvd. .....lb. .17½- —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms. .....lb. .24 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .13 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms. .....lb. .15½- —
oily, dms. .....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls. .....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .11 - .12
Dogwood bark, Jamaica, bls., lb. .06 - .07
colors (numbers are those of Colour Index scale):—
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .80 - .95
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified
Blue:—
Brilliant blue FCF, cans, lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —
Green:—
Fastgreen FCF, cns..lb.27.50 - —
666 Guinea green B., cns, lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —
Orange:—
150 Orange I, cns.....lb. 2.90 - —
Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau 3X, cns.....lb. 5.75 - —
Yellow:—
10 Naphthol yellow S, cns.lb. 6.50 - —
Sunset yellow FCF, cns, lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
186 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
507 Fast cyanin black B...lb. .80 - .85
526 Direct cast scarlet....lb. 2.00 - 2.25

Charcoal—Dyes

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
399 Direct scarlet B.....lb. 1.50 - 1.75
587 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
456 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .80 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 2GO....lb. .25 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
696 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
860 Indulin .....lb. .70 - —
Brown:—
931 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.... ....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. pe. lb. higher; f.o.b. sellers' works or ware house).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.50 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G...lb. .52 - —
332 Bismarck brown R...lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.90 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
688 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX.lb. .72 - .75
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .63 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .85 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

Echinacea Root—Gum, Kauri

E

Echinacea root, bls.....lb. .16 - .17
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .50 - .62
imported.....lb. .55 - —
Elder flowers, bright, bls.....lb. .19 - .21
Elecampane root, bls.....lb. .09½- .10
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .21 - .22
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .08 - .09
Ephedrine, tins, 1,000 ozs....oz. 1.75 - —
tins, 100 ozs.....oz. 1.85 - —
Hydrochloride, tins, 1,000 oz., lots..oz. 1.25 - —
tins, 100 oz., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.35 - 1.40
Eserine, bots.....oz.35.00 - —
Salicylate, bots.....oz.27.00 - —
Sulphate, bots.....oz.28.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., c.l., dlvd.....lb. .24½- —
l.c.l., dlvd.....lb. .25 - —
cns.....lb. .28 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .69 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .061 - —
l.c.l., frt. alld.....lb. .060 - —
tanks, frt. alld.....lb. .051 - —
95-98%, dms., c.l., frt. alld.lb. .0685- —
l.c.l., frt. alld.....lb. .0735- —
tanks, frt. alld.....lb. .0585- —
N. F., VI, 95%, dms., 400 lbs..lb. .08 - —
cns., 35 lbs.....lb. .12 - .13
USP, VIII, 90%, dms., 460 lbs. lb. .07 - —
cns., 35 lbs.....lb. .12 - —
Acetoacetate, dms., c.l., works., lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .75 - —
5 and 10 gal. dms., dlvd...lb. 1.00 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots. cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld., lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0645- .0650
West of Rockies, same basis..lb. .0695- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .0650
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l.....lb. .17 - .20
tanks.....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .57 - .59
Eucalyptus leaves, bls.....lb. .07 - .08
Eugenol, bgs., cns.....lb. 1.70 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French, type, bgs., lb. .07½- .07½
Indian, bgs.....lb. .07½- .07½
German, large, bgs.....lb. .18 Nom.
Fenugreek seed, bgs.....lb. .03¾- .04½
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l.....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .09½- —
smaller lots, works....lb. .10½- —
light, cs., 1,000 lbs. or over, works..lb. .10½- —
smaller lots, works...lb. .11½- —
water white, cs., 1,000 lbs., or over, works..lb. .11½- —
smaller lots, works...lb. .12½- —
Fir balsam, Canada, cns ...gal 10.50 -11.00
Oregon, bbls.....gal. .85 - .90
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.35 & .10
11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.ton.50.00 - —
wet, acidulated, 6-7% ammon., 8-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 2.35 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Aug., shipt..ton.46.50 - —
spot..ton.47.50 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .09 - .09½
Indian, blonde, bgs.....lb. .05 - .05½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.30.00 -31.60
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.17.00 -18.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.00 -19.00
imported, 85.5, duty paid, short ton.21.50 -22.00
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .15 - .16½
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .09 - .10
Gambier, common, cases.....lb. .06¾ Nom.
plantation, cases.....lb. .08 - .09
Cubes, Singapore, cases....lb. .08½- .09¼
extract, bbls.....lb. .06½- .09¼
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- .06¾
65 octane and above, tanks, gal. .06¼- .06¾
California, 54-58, tanks...gal. .06½- .08
Gulf Coast, U.S. Motor, bulk, gal. .05¾- —
60-62, 390 e.p., bulk, export, gal. .05¾- —
60-62, 400 e.p., bulk, export, gal. .05½- —
64-66, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04¾- .05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¾
third grade, tanks...gal. .04½- .04¾
63-66 octane, tanks....gal. .04½- .04¾
67-69 octane, tanks....gal. .04¾- .05½
70-72 octane, tanks....gal. .05 - .05¾
natural, 12-lb. v. p., tanks, gal. .03¼- .03¾
14-lb. v.p., tanks.....gal. .03½- —
16-lb. v.p., tanks.....gal. .02½- .02¾
22-lb. v.p., tanks.....gal. .02¾- —
26-70 lb. v.p., tanks....gal. .02¾- .03
below 60 octane tanks.gal. .04½- .04¾
65 octane, tanks.....gal. .06¼- —
52-56 450 e.p., naphtha, tanks..gal. .04¾- .05
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .10 - .11
Gentian root, bls.....lb. .07 - .07½
grd., bbls., bxs.....lb. .09¾- .10
powd., bbls., bxs.....lb. .10½- .11
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .04½- .04¾
Cochin, lemon, bgs.....lb. .06½- .07
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs...lb. .07½- .08
medium, bgs.....lb. .09½- .10
Japanese, bgs.....lb. .05¾- .06¼
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 6.00 - 7.00
wild, Southern, cs.....lb.10.00 -14.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
36/58, bgs., c.l., dlvd....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
58/82 bgs., c.l., dlvd...lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
82/108, bgs., c.l., dlvd...lb. .13 - —
l.c.l., dlvd.....lb. .13¾- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251,bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283,bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb higher, grinding charge, 20-40 mesh, ½c lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12¾- —
tanks, dlvd.....lb. .11¾- —
Glycerin, saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .09 - —
l.c.l., same basis....lb. .09½- .10
tanks.....lb. .08¾- —
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .07¾
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .24 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .11 - .12
Goldenseal, root, bls.....lb. 3.25 - 3.30
powd., bxs.....lb. 3.35 - 3.40
Grains of paradise, bgs.....lb. .33½- .34
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., amorph., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, loose.....lb. .04½- .04¼
White.....lb. .04¾- .04⅞
Yellow.....lb. .04½- .04¼
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls, same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½ - —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
reduced, C.P., color content up 5%, same basis..lb. .06 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¾c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¾c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. 06¾-
11-13%, bbls., same basis.lb. 07¼- —
14-16%, bbls., same basis.lb 07¼- —
17-19%, bbls., same basis.lb. 07¾- —
20-21%, bbls., same basis lb .08 - —
22-23%, bbls. same basis lb. 08¾- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. 08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¾- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼ —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis lb .20¼- —
Oxide, doms., pure, bbls...lb. .23 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Chrome, tetrahydroxide, bbls.lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .75 - .80
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.00 - 1.05
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10¼- .10¾
white sorts, 1, bgs.....lb. .23 - .24
2, bgs.....lb. .21 - .22
powd., bbls.....lb. .12¼- .13⅜
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .38 - .39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and racca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
Congo 2, cloudy, white, bgs., c.l., same basis..lb. .26¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .17½- —
4, pale bold straw, bgs., c.l., same basis..lb. .18½- —
5, pale, straw bold, bgs., c.l., same basis..lb. .14½- —
6, pale amber bold, bgs., c.l., same basis..lb. .14¾- —
7, pale, straw bold, bgs., c.l., same basis..lb. .11¾- —
8, light amber bold, bgs., c.l., same basis..lb. .11¼- —
9, medium light amber, bold, bgs., c.l., same basis..lb. .09¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¼- —
11 hard dark amber bold, bgs., c.l., same basis..lb. .07½- —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .15¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
Gum, copal, Congo, 17, pale, fingers, bgs., c.l., same basis..lb. .14¼- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .06¼- —
21, ordinary selected nubs, c.l., same basis..lb. .06¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¼- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .12¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb .06¼- —
26, pale, bold chips, bgs., c.l., same basis..lb. .08 - —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., same basis..lb. .04¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .05 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .04 - —
dust, bgs., c.l., same basis..lb. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .04 - —
black, bold, scraped, bgs., c.l., same basis..lb. .03¾- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis..lb. .11¾- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust., bgs., c.l., same basis..lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .09¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .06½- —
dust, bgs.,c.l.,same basis.lb. .03¾- —
nubs, bgs., c.l., same basis, lb. .09¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11¼- —
light, bskts., c.l., same basis..lb. .13¾- —
Loba A, bskts., c.l., same basis..lb. .10½- —
B, bskts.,c.l.,same basis.lb. .10¾- —
C, bskts., c.l., same basis, lb. .09¾- —
CNE, bskts., c.l., same basis..lb. .06½- —
D, bskts., c.l., same basis, lb. .08¾- —
DK, bskts., c.l., same basis, lb. .06¼- —
dust, bskts.,c.l., same basis, lb. .05¼- —
Sambas and white split chips, bskts, c.l., same basis..lb. .14 - —
Singapore, dust., bskts., c.l., same basis..lb. .05¼- —
spirit-soluble, CBB, bskts., basis..lb. .08½- —
DBB, bskts., c.l., same basis..lb. .07⅞- —
MA, bskts., c.l., same basis, lb. .06½- —
MB, bskts., c.l., same basis, lb. .05¾- —
WS, bskts., c.l., same basis, lb. .07⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .06½- —
chips, pale, bskts., c.l., same basis..lb. .09¼- —
chips, pale, small, bskts., c.l., same basis..lb. .07¾- —
extra pale sorts, bskts., c.l., same basis..lb. .08¾- —
nubs, bskts., c.l., same basis..lb. .10¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06¼- —
Pontianak, bold, genuine, bgs., same basis..lb. .15¼- —
mixed, bgs., c.l., same basis..lb. .13¾- —
split, bgs., c.l., same basis, lb. .13 - —
chips, bgs., c.l., same basis, lb. .07½- —
nubs, bgs., c.l., same basis, lb. .10½- —
Dammar, Batavia, A, cs. c.l., same basis as copal..lb. .20 - —
A/D, cs., c.l., same basis.lb. .12¾- —
A/E, cs., c.l., same basis..lb. .11¾- —
B, cs., c.l., same basis..lb. 19¼-
C, cs, c.l., same basis.....lb. .13½- —
D, cs., c.l., same basis...lb. .12¼- —
dust., cs., c.l., same basis.lb. .05¾- —
E, cs., c.l., same basis...lb. .07¾- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore 1, cs., c.l., same basis..lb. .13¾- —
2, cs., c.l., same basis....lb. .10¾- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .09¼- —
dust., cs., c.l., same basis, lb. .05¾- —
seeds, cs., c.l., same basis, lb. .07¾- —
Elemi, cns., c.l., same basis as copal..lb. .26¼- —
Kauri, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contra or single shipt., 10,000 lbs., lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., western N.Y., and Pa., Ohio,Mich.,Ind.,Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contra. or straight c.l. .....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contra. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb .07¼- .07¾
Euphorbium, cs. .....lb. .22 - .23
Galbanum, cs. .....lb. 1.00 - 1.50
Gamboge, pipe, cs.....lb. .55 - .60
powd., bbls.....lb. .60 - .65
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Gualac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .14 - .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .48 - —
B1, cs., c.l., same basis..lb. .38 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —

Gum, kauri, pale, XXX, cs, same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 -
2, cs., c.l., same basis..lb. .34 -
3, cs., c.l., same basis..lb. .17½- —
Kino, tins .....lb. 3.50 Nom.
Locust bean, powd., bbls.....lb. .16 - .30
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .39 - .40
Olibanum, cs. .....lb. .07½- .21
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .27 - .28
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs. .....lb. .10½- .10⅝
Talha, bgs.....lb. .07½- .08
Thus, bbls. .....280 lbs.14.50 -14.75
Tragacanth, Aleppo, 1 cs...lb. 2.25 - 2.35
2, cs. .....lb. 1.90 - 1.95
3, cs. .....lb. 1.60 - 1.65
flake, bgs. .....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hawthorn berries, bgs.....lb. .20 - .21
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .11½- .12
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .05½- .06
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .08 - .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C...lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .38 - —
fib., ctns., same basis....lb. .40 - —
Hematropine hydrobromide, bots., 25 ozs. .....oz.13.00 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago, unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .15 - .20
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Hydrochloride, bots., 4 ozs...oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Sulphate, bots., 4 ozs.....oz.16.25 - —
cns., 16 oz. .....oz.16.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.14.00 -15.00
Hyoscyamine, bots. .....oz.10.00 - —
Hydrobromide, bots. .....oz.10.00 - —
Sulphate, bots. .....oz.10.00 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red. Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .14½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs...lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars. 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.05 - 1.10
powd., bxs. .....lb. 1.15 - 1.20
Irish moss, ordinary, bls.....lb. .09 - .10
powd., 80-90 mesh; bbls...lb. .20 - .30
prime, bleached, bls.....lb. .17 - .21
Iron acetate, N. F. IV, cbys. 100 lbs..lb. .15 - —
djms., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms.....100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
Acetate, liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djms .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots .....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djms.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, comil., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .20 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .20 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .061 - —
W. of Rockies, frt. alld, lb. .06½- —
l.c.l., E. of Rockies, frt. alld..lb. .066 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .051 - —
W. of Rockies, frt. alld..lb. .05½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld. gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld..gal. .40 - —
W. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .15 - .18
powd., bbls., bxs.....lb. .20 - .22
Juniper berries, bgs.....lb. .05 - .05½

K

Kamala, tins .....lb. .20 - .22
Kaolin (see China clay).
Kava kava root, bls.....lb. .12½- .13
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .04½- .04⅝
Gulf ports, p.w., bulk....gal. .03⅝- .03⅝
w.w., bulk..gal. .03⅞- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅞- .04¼
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks gal. .04⅝- .04⅞
46 w.w., tanks.....gal. .04⅝- .05
47 w.w., tanks.....gal. .04⅞- .05½
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .38 - .40
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.00 - 6.10
Middlewestern, trcs....100 lbs. 6.20 - 6.30
Neutral, trcs. .....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.25 - 6.35
Compound, trcs. .....100 lbs. 8.75 - 9.00
Larkspur seed, bgs. .....lb. .33 - .34
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .04 - .04½
Lavender flowers, ordinary, bls.lb. .25 - .27
medium, bls.....lb. .30 - .31
select, bls.....lb. .35 - .40
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Lead, arsenate, bgs., c.l., dealers. lb. .10 - .11
l.c.l., bgs., dealers.....lb. .1015- .11½
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .06¼- —
dlvd., Ariz., Cal., Colo., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06½ —
l.c.l., dlvd., E.....lb. .06½ —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash...lb. .0785- —
other points.....lb. .0760- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss, Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .083¾- —
Colo., Mont., N. Mex., Wyo...lb. .08½- —
other points.....lb. .08 - —
smaller lots, etc.....lb. .083¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .0810- —
other points.....lb. .0785- —
l.c.l., 5 tons, dlvd., Ala., etc...lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .083¾- —
other points.....lb. .083¼- —
smaller lots, dlvd., Ala., etc...lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
98%, 96% min., 100-lb. kgs. lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09¼- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls.....lb. .35 - —
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
smaller lots, E. frt. alld. lb. .10½- —
Pac. Cst.. ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo...lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., dlvd., Ariz., etc..lb. .06⅝- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers..lb. .12½- —
dealers .....lb. .10¼- —
painters .....lb. .11¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60

Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .26
Root, bls.....lb. .04½ - .05
powd., bbls., bxs.....lb. .07 - .09
select, bndls., cs.....lb. .15 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.00 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —

Gum Kauri—Liverwort Leaves

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Limedale, Ark..ton. 7.00 - —
Longview, Asb.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Salt Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b., Bellefonte, Pa...ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, O.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn. ....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Asb.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
San Francisco, Cal..ton.13.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa...ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07⅝- .08¾
dms, same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer gal. .16 - —
Zone 2, tanks, dealers, wks.. gal. .08½- —
30-50 dms.....gal. .11 - .13
Zone 3, tanks, dealers, dlvd.. gal. .11½- —
30-50 dms.....gal. .14 - .13
Zone 4, tanks, dealers, wks.. gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd.. gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .08½- —
30-50 dms.....gal. .11 - .13

Prices for lime sulphur solution are f.o.b warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .26 - .27
without leaves, bls.....lb. .18 - .19
Linseed, cake, bgs., export...ton.24.00 - —
Meal, 34%, bgs.....ton.37.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0660- —
dlvd., other points....lb. .0635- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo., etc.....lb. .07¾- —
other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., c.l. (20 tons)..lb. .05½- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots .....lb. .05¾- —
ordinary, bgs., c.l., (20 tons) lb. .03¾- —
smaller lots .....lb. .04 - —
bbls., c.l., (20 tons).....lb. .04 - —
smaller lots .....lb. .04¼- —
titanated, bgs., c.l. (20 tons) lb. .05½- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons)....lb. .05½- —
smaller lots .....lb. .05¾- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .20 - .21

Lobelia Herb—Meth. Chlor.

Lobelia herb, bls.	lb.	.11 -	.12
Seed, bgs.	lb.	.34 -	.35
Logwood extract, cryst., bbls.	lb.	.18 -	.22
liquid, 51°, bbls.	lb.	.09½-	.11½
solid, bxs.	lb.	.15 -	.19
Lovage root, dom., bls.	lb.	.34 -	.35
import, bls.	lb.	.30 -	.35
Lupulin, N. E., tins	**lb.**	**1.50 -**	**1.55**
Lycopodium, cs.	lb.	1.15 -	1.20

M

Mace, Banda, cs.	lb.	.52 -	.53
Batavia, cs.	lb.	.32½-	.33
Siauw, cs.	lb.	.43 -	.44
Madder, Dutch, bbls.	lb.	.22 -	.25
Magnesia, arsenate, dms.	lb.	.18 -	.20
Calcined, tech., USP, bbls., works.	lb.	.26 -	—
Carbonate, tech., Zone 1, bgs., c.l.	lb.	.06¼-	—
l.c.l.	lb.	.07 -	—
1, bbls., c.l.	lb.	.07¼-	—
l.c.l.	lb.	.08 -	—
kgs., c.l.	lb.	.08¾-	—
l.c.l.	lb.	.09½-	—
USP, zone 1, bbls., c.l.	lb.	.08¼-	—
l.c.l.	lb.	.09 -	—
kgs., c.l.	lb.	.09¾-	—
l.c.l.	lb.	.10½-	—

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, flake, dom., bbls., wks., c.l.	ton.	32.00 -	—
l.c.l., bbls., wks.	ton.	39.00 -	42.00
Hypophosphite, cns., 100 lbs.	lb.	1.45 -	—
25 lbs.	lb.	1.50 -	—
Oxide (see Calcined).			
Palmitate, bbls.	lb.	.33	Nom.
Peroxide, 15%, dms., works.	lb.	1.00 -	1.35
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.09½-	.10½
Stearate, bbls., ctns., c.l.	lb.	.21 -	—
1 ton	lb.	.22 -	—
1,000-2,000 lbs.	lb.	.23 -	—
smaller lots	lb.	.24 -	—
Sulphate (see Epsom salt).			
Magnesite, cal., dom., bgs.	ton.	56.00	-60.00
Import, bgs.	ton.	56.00	-60.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash.	ton.	25.00 -	—
Magnesium hydroxide, medicinal, bbls., 200 lbs.	lb.	.25 -	—
dms., 25 lbs.	lb.	.30 -	—
kgs., 100 lbs.	lb.	.26 -	—
Trisilicate, cs., 500-lb. lots	lb.	.58 -	—
100-lb. lots	lb.	.55 -	—
cns.	lb.	.75 -	.80
Malva flowers, black, bls.	**lb.**	**.35 -**	**.45**
blue, bls.	**lb.**	**.35 -**	**.45**
Leaves, bls.	**lb.**	**.11 -**	**.12**
Manaca root, bls.	**lb.**	**.17 -**	**.18**
Mandrake root, bls.	**lb.**	**.09 -**	**.10**
Manganese acetate, dms.	lb.	.26½-	—
Arsenate, bgs.	lb.	.12 -	.12½
Borate, tech., bbls.	lb.	.15 -	.16
Carbonate, bbls.	lb.	.19 -	—
Chloride, bbls.	lb.	.08¼-	.08½
Manganese, dioxide, African, battery, 84-87% bgs., 28-40 tons, works.	ton.	54.50 -	—
5-15 tons, works.	ton.	57.50 -	—
¼-4 tons, works.	ton.	62.50 -	—
300-600 lbs., works.	ton.	72.50 -	—
Caucasian, 85-90%, bbls., c.l., works.	ton.	51.50 -	—
l.c.l., 5 tons, works.	ton.	54.50 -	—
smaller lots, works.	ton.	59.50 -	—
burlap bgs., c.l., works.	ton.	49.25 -	—
l.c.l., 5 tons, works.	ton.	52.25 -	—
smaller lots, works.	ton.	57.25 -	—
paper bgs., c.l., works.	ton.	47.50 -	—
l.c.l., 5 tons, works.	ton.	50.50 -	—
Glycerophosphate, bbls., kgs., 1,000-lb. lots.	lb.	2.01 -	—
smaller lots	lb.	2.71 -	—
cns., 25 lbs.	lb.	2.85 -	—
solut., djns., 1,000-lb. lots.	lb.	.61 -	—
smaller lots.	lb.	.71 -	—
cns., 25 lbs.	lb.	.81 -	—
Hydrate, bbls., dlvd.	**lb.**	**.82 -**	**—**
Iodide, bots., 5 lbs.	lb.	5.45 -	—
jars, 25 lbs.	lb.	5.30 -	—
Linoleate, liquid, 4%, dms.	lb.	.18 -	.19½
solid, precip., 8.2%, bbls.	lb.	.19 -	—
Ore, 50-52% basis, bbls., c.l., Alt. ports.	unit-ton.	.29	Nom.
Resinate, fused, 3½%, bbls.	lb.	.08¼-	.08½
precip., dms.	lb.	.12 -	—
Sulphate, anhyd., bbls., works, lb.		.07 -	.07½
cryst., 65%, $MnSO_4$, bgs., c.l., dlvd., South.	ton.	48.75 -	—
l.c.l., bgs.	ton.	55.75 -	—
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton.		.75 -	—
l.c.l., 5 tons, works.	lb.	.08½-	—
smaller lots, works.	lb.	.04 -	—
Mangrove bark, bgs., shipt.	ton.	25.00	-26.00
Manna flake, large, cs.	lb.	.48 -	.49
small, cs.	lb.	.24 -	.25
Mannitol, reagent, pure cryst., cs., works.	lb.	.95 -	1.00
commercial, cryst., bbls., ton lots, works.	lb.	.42 -	—
smaller lots, works.	lb.	.50 -	—
Marble flour, bgs.	ton.	12.00	-14.00
Marjoram, French, bls.	lb.	.23½-	.24
Tunisan, bls.	lb.	.21 -	.21½
Chilean, bls.	lb.	.14 -	.14½
Matico leaves, bls.	lb.	.21 -	.22
Menthol, USP, natural, cs.	lb.	2.90 -	3.00
synthetic, tech., cs.	lb.	2.25 -	—
USP, cs.	lb.	3.00 -	—
liquid, dms., 50 lbs.	lb.	1.25 -	—
Menthyl salicylate, tins, 100-lb. lots.	lb.	3.00 -	—
25-lb. lots.	lb.	3.10 -	—
Mercurial ointment, 30%, pails, 50 lbs.	lb.	.85 -	—
25 lbs.	lb.	.87 -	—
50%, pails, 50 lbs.	lb.	1.23 -	—
25 lbs.	lb.	1.25 -	—
Mercury (see Quicksilver).			
Ammoniated (see white precipitate).			
Bichloride (see Corrosive sublimate).			
Bisulphate, bots., 5 lbs.	lb.	1.90 -	1.94
flb., dms., 100 lbs.	lb.	1.77 -	—
jars, 25 lbs.	lb.	1.79 -	—
Chloride (see Calomel).			
Iodide, red, N.F., bots., 5 lbs.	lb.	3.81 -	3.85
cns., 25 lbs.	lb.	3.70 -	3.75
flb., dms., 100 lbs.	lb.	3.70 -	3.75
yellow, bots., 5 lbs.	lb.	3.91 -	3.95
cns., 25 lbs.	lb.	3.80 -	—
flb., dms., 100 lbs.	lb.	3.80 -	—
Nitrate ointment (see Citrine ointment).			
Mercury, oxide, red, N.F. (see Red precipitate).			
tech. (See Red, mercury oxide).			
Yellow, dom., tech., bbl.	lb.	1.51 -	—
USP, flb. dms., 50 lbs. or more.	lb.	2.03 -	—
Mercury and chalk, ctns., 5 lbs.,	lb.	1.29 -	—
flb., dms., 25 lbs.	lb.	1.17 -	1.22
Mesityl oxide, cns., works.	lb.	.16 -	.18
dms., c.l., dlvd.	lb.	.11½-	—
l.c.l., dlvd.	lb.	.12 -	—
tanks, dlvd.	lb.	.10½-	—
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in.	pkg.	1.50 -	1.75
composition, 5½x5½ in.	pkg.	1.70 -	1.80
gold, XX deep, 23K, 3⅜x3⅜ in.	pkg.	13.25	-15.75
23K, 3⅜x3⅜ in.	pkg.	16.15	-17.50
4x4 in.	pkg.	19.50	-20.00
3⅝x3⅝ in.	pkg.	22.50	-23.00
3⅞x3⅞ in.	pkg.	24.50	-25.00
Silver, 3⅜x3⅜ in.	pkg.	2.75 -	2.85
Metanitroparatoluidin, bbls.	lb.	1.30 -	—
Metaphenylenediamine, kgs.	lb.	.65 -	—
Metatoluylenediamine, kgs.	lb.	.65 -	—
Methanol, natural, denat., grade, tanks.	gal.	.40 -	—
97%, tanks.	gal.	.52 -	—
90%, tanks.	gal.	.51 -	—

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

synth., pure, dms., c.l., Zone 1, frt. alld.	gal.	.38 -	—
2, frt. alld.	gal.	.41 -	—
3, frt. alld.	gal.	.42 -	—
4, frt. alld.	gal.	.44 -	—
l.c.l., Zone 1, frt. alld. or dlvd.	gal.	.40½-	—
2, frt. alld. or dlvd.,	gal.	.47 -	—
3, frt. alld. or dlvd.	gal.	.44½-	—
4, frt. alld. or dlvd.	gal.	.60 -	—
tanks, Zone 1, frt. alld.	gal.	.33 -	—
2, frt. alld.	gal.	.35½-	—
3, frt. alld.	gal.	.36½-	—
4, frt. alld.	gal.	.37 -	—

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R.	lb.	.10¼-	—
W. of Miss. R.	lb.	.11½-	—
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.11 -	—
W. of Miss. R.	lb.	.12 -	—
tanks, dlvd., E. of Miss. R.	lb.	.09½-	—
W. of Miss R.	lb.	.10½-	—
tech., dms., c.l., dlvd., E. of Miss. R.	lb.	.07 -	—
W. of Miss. R.	lb.	.08 -	—
l.c.l., dlvd. E. of Miss., R.	lb.	.07½-	—
W. of Miss R.	lb.	.08½-	—
tanks, dlvd. E. of Miss. R.,	lb.	.06 -	—
W. of Miss. R.	lb.	.07 -	—
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.29½-	—
Acetone, natural, tanks.	gal.	.28 -	—

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies.	gal.	.38 -	—
2, frt. alld. E. of Rockies.	gal.	.41 -	—
3, Pacific Coast.	gal.	.42 -	—
4	gal.	.44 -	—
l.c.l., Zone 1, frt. alld. E. of Rockies.	gal.	.41 -	—
2, frt., alld. E. of Rockies.	gal.	.475 -	—
3, Pacific Coast.	gal.	.45 -	—
4	gal.	.605 -	—
tanks, Zone 1, frt. alld. E. of Rockies.	gal.	.315 -	—
2, frt. alld. E. of Rockies,	gal.	.34 -	—
3, Pacific Coast.	gal.	.35 -	—
4	gal.	.355 -	—

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).			
Anthranilate, bots.	**lb.**	**2.10 -**	**2.20**
Benzoate, cns., 25 lbs.	**lb.**	**.70 -**	**1.20**
Bromide, cyl.	**lb.**	**.65 -**	**.75**
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.	**lb.**	**.32 -**	**—**
service men and consumers, cyl.	lb.	.36 -	—
60 to 499 lbs., cyl., mach. mfrs. and jobbers.	**lb.**	**.36 -**	**—**
service men and consumers, cyl.	**lb.**	**.40 -**	**—**
tanks, multi-unit, mach. mfrs. and jobbers.	**lb.**	**.31 -**	**—**
service men and consumers,	**lb.**	**.35 -**	**—**

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 90-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.	**lb.**	**1.85 -**	**2.00**
Formate, dms.	**lb.**	**.32 -**	**.36**
Lactate, dms., l.c.l., dlvd.	lb.	.30 -	—
Iodide, bots.	lb.	5.60 -	5.85
Salicylate, dms.	lb.	.25 -	.27
cns.	lb.	.37 -	.40
Violet toner, bbls.	lb.	.28 -	—
permanent, bbls.	lb.	.30 -	—
Methylamyl ketone, dms., works, l.c.l.	lb.	.25 -	—
smaller containers, same basis.	lb.	.28 -	—
Methylcyclohexane, 98-100% dms., works, frt. alld., E. of Rockies.	lb.	.25 -	—
Methylcyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies.	lb.	.30 -	—
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies.	lb.	.58 -	—
Methylene blue, medcl., kgs., 100 lbs.	lb.	2.00 -	—
cns., 5 lbs.	lb.	2.25 -	—
Chloride, dms., f.o.b. works.	lb.	.18 -	.26

CAUCASIAN

MANGANESE ORE and DIOXIDE

(Washed 51/53% Mn. Ordinary 45% Mn. and Higher) (85% MnO_2 Fe. below 1%)

SOJUZUGLEEXPORT

MOSCOW (U.S.S.R.)

LEONARD J. BUCK, Inc.

AMERICAN DISTRIBUTORS

1 NEWARK AVENUE, JERSEY CITY, N. J.

Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp. bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.16.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bags., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works. ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works. ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works.ton..29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - -
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E.....lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04⅜- —
paper, wall or coated, bgs., c.l., frt. all., E..lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04⅜- —
rubber, bgs., c.l., frt. alld. E..lb. .04 - —
l.c.l., ex-whse., or frt. alld., E...lb. .04½- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls.,c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l. .....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .0350- .0375
early fortune, bgs.....lb. .0250- .0300
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .04½- —
f.o.b., New Orleans....gal. .03¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Morphine, sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .75 - .80
Leaves, bls. .....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.00 - —
5 lbs. to 75 lbs.....lb. 3.25 - —
1 lb. .....lb. 3.40 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. .90 - —
5 lbs. to 75 lbs.....lb. 1.00 - —
1 lb. .....lb. 1.15 - —
Musk root, bls.....lb. .11 - .14
Mustard seed, Bombay, brown, bgs..lb. .04¼- .04⅝
California, brown, bgs.....lb. .05⅜- .06¼
Chinese, yellow, bgs.....lb. .05⅜- .06¼
Danish, yellow, bgs.....lb. .08⅜- .09¼
Dutch, yellow, bgs.....lb. .08¼- .08⅝
English, yellow, bgs.....lb. .09⅜- .10
Roumanian, yellow, bgs...lb. .05⅜- .06¼
Myrobalans, J1, bgs., shipt..ton.26.00 - —
J2, bgs., shipt.....ton.20.00 - —
R2, bgs., shipt.....ton.16.75 Nom.
Extract, liquid, 25%, bbls....lb. .03¾- —
solid, 50% bbls.....lb. .04¼- —
powdered, 70% bbls.....lb. .05 - —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works.. 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. ports.100 lbs. 1.60 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .05¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
chipped, crushed, bbls., same basis..lb. .05¾- —
rice, cryst., powd., bbls., same basis..lb. .05⅝- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .29 - .33¼
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb., tins.....lb. .83½- —
Nitrecake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. 29 - -
Nitrocellulose, ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd.....unit-ton. 1.90 - —
f.o.b. Chemical, Ill., unit-ton. 1.90 - —
East Coast producing points, unit-ton.. 2.30 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Aleppo, bgs., cs ..lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19½- —
110s, bgs., cs.....lb. .17¼- .17¾
West Indian, bgs.....lb. .09¾- .10
Nux vomica, bls.....lb. .03½- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3 .....gal. .17 - —
tanks, G.3.....gal. .10¼- —

Methylethyl Ketone—Oil, Cassia

Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots. .....lb. 1.90 - 2.00
s.p.a., bots. .....lb. 1.95 - 2.05
sweet, true, exp., cns.....lb. .56 - .57
Amber, crude, cns.....lb. .19 - .20
ref'd, cns. .....lb. .50 - .51
Amyris, cns. .....lb. 3.00 - 3.25
Angelica root, bots.....lb.40.00 -45.00
seed, bots. .....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .63 - .66
Apricot, kernels, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06 Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.05 - 1.10
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.65 - 3.85
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .15 - .18
rectified, cns.....lb. .60 - .65
Bois de rose, Brazil, cns.....lb. 1.45 - 1.50
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .44 - .46
USP IX, cns.....lb. .50 - .52
Calamus, cns.....lb. 5 50 - 6.00
Camphor, sassafrassy, cns...lb. .30 - .31
dms. .....lb. .27 - .28
white, cns. .....lb. .35 - .36
dms. .....lb. .32 - .33
Cananga, native, cns.....lb. 1.05 - 1.25
rectified, cns.....lb. 1.50 - 1.80
Capsicum (oleoresin) N. F. VI, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.65 - 1.70
Cardamom, bots.....lb.12.50 -25.50
Cassia, USP, cns., dms.....lb. .88 - .93

OUTSELLS ALL OTHER BRANDS COMBINED 3 TO 1

Exchange

OIL OF LEMON U·S·P·

Sold to the American Market Exclusively by

FRITZSCHE BROTHERS, INC. 76 NINTH AVENUE, NEW YORK, N. Y. • DODGE & OLCOTT COMPANY 180 VARICK STREET, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Oil, Castor—Petroleum

Oil, castor, blown, one-way dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11 - —
medicinal, bbls., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
cns. (1-gal.), l.c.l.....lb. .12½- —
dms. (returnable), c.l....lb. .08½- —
l.c.l. .....lb. .09¼- —
(5-gal.), l.c.l.....lb. .10½- —
tanks .....lb. .08 - —
No. 3, bbls., c.l.....lb. .08¼-
l.c.l. .....lb. .09 - —
dms. (returnable), c.l.....lb. .08 - —
l.c.l. .....lb. .08¾- —
tanks .....lb. .07½- —

Castor oil, med. and No. 3 prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States. Chicago c.l. prices ¾c. higher than N. Y., l.c.l., prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
75% (63% fat), dms., c.l. lb. .08¾- —
l.c.l. .....lb. .09¾- —
50% (68% fat), dms., c.l..lb. .09¼- —
l.c.l. .....lb. .10¼- —
Cedarleaf, cs. .....lb. .60 - .62
dms. .....lb. .55 - .57
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .17 - .21½
Celery, bots.....lb. 6.50 - 8.75
Chaulmoogra, USP, cns., 500 lbs. lb. .72½- —
25 lbs. .....lb. .75 - —
Chinawood, dms.....lb. .22 Nom.
tanks .....lb. .21 Nom.
Cinnamon, Ceylon, bots.....lb. 8.50 -25.00
Seychelle, bots.....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .33 - .35
dms. .....lb. .31 - .33
Java, cns., dms.....lb. .27 - .28
Clove, makers, USP, cns....lb. .97 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks, lb. .03 - —
Pac. Cst. .....lb. .02¾- .02¾
Coconut, edible, 76°, tax incl., dms. (returnable), c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
tanks .....lb. .07¾- —
Cod, Newfoundland, shipt., un-tanked..gal. .32 - .33
Norwegian, shipt., bbls..gal. .28 - .31
Codliver, med., USP, bbls..bbl.20.00 -21.00
Coriander, bots.....lb.12.00 -12.50
Corn, crude, tanks, works...lb. .05½- .05¾
refd., bbls. .....lb. .08 - .08¼
Cottonseed, dom., cooking, bbls..lb. .08¼- —
salad, bbls. .....lb. .08½- —
import, Brazilian, semi-refd., bulk..lb. .03¼ Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.10 - 1.15
Cubeb, USP, cns.....lb. 2.50 - 2.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.65 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 2.70 - 3.00
weed, bots.....lb. 3.60 - 3.75
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns. .....lb. .41 - .45
dms. .....lb. .38 - .42
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .80 - .85
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.05 - —
Tuesday .....bbl. 1.05 - —
Wednesday .....bbl. 1.05 - —
Thursday .....bbl. 1.05 - —
Friday .....bbl. 1.05 - —
Saturday .....bbl. 1.05 - —
North Texas, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.10
24-28, 15 and above.....bbl. .85 - .90
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .04¼- —
2, bulk, same basis.....gal. .03¾- —
4, bulk, same basis.....gal. .03¼- —
Louisiana - Arkansas, 32-36, light straw..gal. .03¼- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03¾- .04½
36-38 .....gal. .03¾- .03¾
38-40, straw .....gal. .03¾- .03¾
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02¾- .03½
Oklahoma, bulk.....gal. .02¾- .03½
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.35 - 3.00
Bourbon, cns. .....lb. 2.40 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 1.50 - 1.75
Grapeseed, dms. .....lb. .40 - .60
Ginger, dist., bots.....lb. 4.00 - 4.50
Guaiac wood, concrete, bots..lb. 2.10 - 2.25
Haarlem, import, bots....gross. 3.15 - 3.25
Halibut-liver, dms., 1,000 A. unit..gal. .75 - 1.00
Hemlock, cns. .....lb. .65 - .70
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms..lb. .38 - .39
cns .....lb. .40 - .41
Lard, common, 1, bbls.....lb. .08½- —
2, bbls. .....lb. .08 - —
extra, bbls. .....lb. .08¾- —
1, bbls. .....lb. .08½- —
Winter, strained, extra, bbls., lb. .08¾- —
prime, burning, bbls.....lb. .09½- —
prime, ined., bbls.....lb. .09 - —
Laurel, bots.....lb. 4.50 - 5.00
Lavandin, cns., 25 lbs.....lb. 1.60 - 1.65
Lavender flower, French, 50% ester, cns..lb. 4.50 - 4.75
38-42% ester, cns.....lb. 3.25 - 4.00
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.00
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.15 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., Mexican, cns....lb. 2.65 - 2.70
West Indian, cns.....lb. 3.00 - 3.10
expressed, cns. .....lb. 6.50 - 6.75
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0930- .0940
l.c.l., or more.....lb. .0970- .0980
less than 5.....lb. .1010- .1020
tanks .....lb. .0870- .0880
raw, bbls., c.l.....lb. .0890- .0900
l.c.l., 5 or more.....lb. .0930- .0940
less than 5.....lb. .0970- .0980
tanks .....lb. .0830- .0840
Oil, lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks.....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
/4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .18 - .18½
25 pour, tanks..gal. .16 - —
cylinder, 600 fire, tanks, gal. .08½- —
600 flash, tanks.....gal. .10 - —
630 flash, tanks.....gal. .13 - —
635 fire, tanks.....gal. .09 - —
650 fire, tanks.....gal. .09½- —
Warren, E, amber, tanks, gal. .11 - —
Penna, Warren, E, neutral, 150 vis., 3 color, tanks.gal. .14¼- —
180 vis., 3 color, tanks..gal. .15¼- —
200 vis., 2 color, tanks..gal. .16¼- —
spot, Penna., bright, bbls., c.l., f.a.s.....gal. .22 - —
unfiltered, 600 s. r....bbls., f.a.s..gal. .15½- —
600 flash, s. r., bbls., c.l. gal. .17½- —
630 flash, bbls, c.l., f.a.s., gal. .20½- —
Warren, E., bbls., c.l., f.a.s., smaller lots, f.o.b.,..gal. .21 - —
Mace, dist, cns., dms.....lb. 1.12 - 1.15
Mandarin, superior, coppers..lb. 5.75 - 6.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .24 Nom.
refd., alkali, dms.....lb. .0620- —
tanks .....lb. .0560- —
refd., blown, dms.....lb. .0640- —
kettle-bodied, dms.....lb. .0740- —
light pressed, dms.....lb. .0560- —
tanks .....lb. .0500- —
Mineral, white (see Oil, white mineral).
Messina, USP, coppers.lb. 1.90 - 3.45
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .14¾- —
extra, bbls. .....lb. .08½- —
1, bbls. .....lb. .08¼- —
pure, bbls. .....lb. .11¾- —
prime, bbls. .....lb. .08¾- —
sulphorated, common, 25% moisture, dms..lb. .10¾- —
Neroli, bots.....lb.85.00 - 140.00
Nutmeg, USP, cns., dms....lb. 1.12 - 1.15
Olticica, dms. .....lb. .17 - .17½
Oleo, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .81 - .82
edible, bbls.....gal. 1.75 - 2.00
foots, bbls. .....lb. .06¾- .06¾
sulphonated, 50% (43% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
80% (68% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15½- —
Orange, sweet, dist., cs.....lb. .50 - —
Expressed, African, cns., dms. lb. .80 - .85
Calif., cns.....lb. 1.00 - —
Messina, USP, coppers.lb. 1.90 - 3.00
West India, cns.....lb. 1.68 - 1.70
Origanum, cns. .....lb. .90 - 1.25
Orris, Florentine, concrete, extra strong bots..oz. 4.75 - 5.50
Palm, Niger, csks.....lb. .03¾ Nom.
shipment .....lb. .0275- —
softs, 12½%, bulk, shipt....lb. .0250 Nom.
20%, bulk, shipt.....lb. .0245 Nom.
Sumatra, shipt., bulk.....lb. .0255 Nom.
Palmarosa, cns.....lb. 1.85 - 2.00
Palmkernel, bulk, shipt.....lb. .0340 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.35 - 6.50
Peanut, crude, dom., tanks..lb. .05¼ Nom.
refd., edible, bbls.....lb. .08¾- .09
Pennyroyal, dom., cns.....lb. 2.10 - 2.15
import, cns. .....lb. 2.05 Nom.
Peppermint, natural, cns., dms lb. 2.10 - 2.35
redist., USP, cns., dms....lb. 2.25 - 2.60
Perilla, dms. .....lb. .11¾- .12
tanks .....lb. .11¼- .11½
Petitgrain, Paraguay, cns....lb. .80 - .85
Pimento berry, cns.....lb. 3.35 - 3.65
leaf, cns. .....lb. 2.25 - 2.30
Pine, dest.-dist., straw-color, dms., divd., E. ports....gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. .95 - 1.00
Putty, bbls., E. Segunao, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14 - .14½
denat., bbls.....gal. .81 - .82
Red, dist. or saponif. bbls., dlvd..lb. .07¾- .08¾
dms., dlvd.....lb. .07¼- .08¼
tanks, dlvd.....lb. .06½- .07¼
white, dms.....lb. .10¾- .11¾
Oil, rose, artif., bots.....oz. 2.00 - 3.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 3.00 - 3.50
Sage, cns.....lb. 1.60 - 1.65
Sandalwood, E. I., USP, cns..lb. 4.50 - 4.95
Mysore, cns., case lots....lb. 19s 6d
Sardine, crude, tanks, Pac. Cst—gal. .25 Nom.
refd., alkali, dms.....lb. .0620- —
tanks .....lb. .0560- —
kettle bodied, dms.....lb. .0740- —
light pressed, dms.....lb. .0560- —
tanks .....lb. .0500- —
Sassafras, artif., cns.....lb. .39 - .40
dms. .....lb. .37 - .38
natural, cns., dms.....lb. .90 - 1.00
Savin, cns.....lb. 1.60 - 1.65
Savory, cns. .....lb. 2.00 - 2.25
Sesame, refd., import, dms..lb. .09½- .09¾
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works .....gal. .21 - —
tanks, works .....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .05¾- .06
tanks .....lb. .05 - .05½
refd., dms.....lb. .07 - .07½
tanks .....lb. .06¾- —
Spearmint, USP, cns.....lb. 1.70 - 1.75
Sperm, bleach, 38°, dms....lb. .0900- .0920
45° dms.....lb. .0830- .0850
natural, dms. .....lb. .0780- .0800
Spruce, cns., dms.....lb. .70 - .90
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South. cns. .....lb. 1.45 - 1.50
Tall, crude, dms., c.l., works, ton.45.00 - —
l.c.l., works.....ton.50.00 -65.00
tanks, works .....ton.35.00 - —
refined, dms., c.l., works...lb. .05½- —
l.c.l., works .....lb. .06 - —
tanks, works .....lb. .05 - —
Tallow, acidless, bbls.....lb. .08½- —
tanks .....lb. .08 - —
Tansy, cns.....lb. 7.75 - 8.00
Tar, pine, cm'l, dms., c.l.,divd., E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, divd. E. cities....gal. .20 - —
Tar, pine, rectfd., USP, bbls., divd., E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .10 - .10½
refined, dms.....lb. .11¼- .11½
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. 1.10 - 1.15
white, dms. .....lb. 1.15 - 1.25
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.40 - 2.90
Turkey red (see Oil, castor, sulphonated)
Turpentine (see T).
Turtle, cns.....gal. 4.25 - 5.00
Valerian, bots.....lb. 6.00 - 8.25
Vetiver, bots.....lb. 8.50 -15.00
Walnut, crude, dms.....lb. .13 - .13¼
refd., dms.....lb. .14 - .14½
Whale, refd., natural, dms..lb. .0710- .0730
winter, bleach, dms.....lb. .0750- .0770
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, dms., tech., 50-60 vis., dms.....gal. .40 - —
65-75 vis., dms.....gal. .42 - —
80-90 vis., dms.....gal. .43 - —
USP, 80-90 vis., dms....gal. .46 - —
95-105 vis., dms.....gal. .53 - —
125-135 vis., dms.....gal. .60½- —
140-150 vis., dms.....gal. .64 - —
175-185 vis., dms.....gal. .68½- —
200-210 vis., dms.....gal. .70½- —
320-330 vis., dms.....gal. .76 - —
335-345 vis., dms.....gal. .77 - —
Russian, 80-90 vis., dms., gal. .46 - —
145-155 vis., dms.....gal. .64½- —
175-185 vis., dms.....gal. .68½- —
335-345 vis., dms.....gal. .77 - —
Wintergreen, natural, North. cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.30 - 2.40
Wormwood, cns.....lb. 3.75 - 4.00
Ylang-ylang, Bourb., bots., cns. lb. 2.50 - 3.00
Manila, bots.....lb.18.00 -24.00
Olivine, aggregate, c.l., mines, ton. 5.00 - 6.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 200 mesh, c.l., mines, ton.15.00 - —
20 mesh to dust.....ton.10.00 - —
Opium, USP, cns.....lb.11.50 -12.50
gran., cns. .....lb.12.50 -13.50
powd., cns .....lb.12.50 -13.50
Orange, Lake, Persian, bbls..lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .11 - —
Colo., Mont., N.M., Wyo. lb. .10¾- —
Other points .....lb. .10¼- —
smaller lots, divd., Ala., etc..lb. .11 - —
Ariz., etc.....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10¾- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .37
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls.....lb. .11 - .12
Orris root, Florentine, bgs....lb. .85 - .90
fingers, cs. .....lb. .85 - .90
powd., bbls., bxs.....lb. .12 - .13
Verona, bls. .....lb. .08 - .09
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms. .....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms. .....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls. .....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms. lb. .22 - —
Sulphonate, kgs. .....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.10 - 1.15
Paprika, Hungarian, extra fancy, bgs..lb. .29½- .30
medium, bgs.....lb. .28 - .28½
Portuguese, extra fancy, bgs., lb. .28 - .29
fancy, bgs. .....lb. .27 - .28
Spanish, extra fancy, cs.....lb. .33 - .34
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0280- .0295
bbls., c.l., N.Y.....lb. .0285- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .0285- .03
bbls., c.l., N.Y.....lb. .0290- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .0285- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .03¾- —
loose, c.l.....lb. .0355- —
125-127 A.m.p., bgs., c.l..lb. .0390- —
loose, c.l.....lb. .0370- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0400- —
131-133 A.m.p., bgs., or loose, c.l...lb. .0435- —
133-135 A.m.p., bgs., or loose, cl...lb. .0465- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0490- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0565- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0650- —
151-153 A.m.p., bgs., or loose, c.l..lb. .0850- —

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02¾
semirfd., solid., 122-124 A.m.p., bgs..lb .02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C. lb. .24 -
100 to 900 lbs. shipments, same basis..lb. .35 -
Paraldehyde, tech., 90%, 55 and 100 gal. dms., c.l., works..lb. .10 - —
l.c.l., works .....lb. .11¼- —
5 and 10 gal, dms., works..lb. .15 - —
USP, cs., obys.....lb. .37 - .45
Paranitroaniilin, kgs., works...lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .55 - —
Paranitrotoluene, kgs. .....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls. .....lb. .48 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower, herb, bls.....lb. .07 - .08
Patchouli leaves, bls.....lb. .16 - .20
Pellitory root, bls.....lb. .13 - .14
Pennyroyal leaves, bls.....lb. .13 - .14
Pentanes norm., 28-38°, dms., c.l., G.3...gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3 .....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3 .....gal. .25 - —
Pepper, black, Alleppey, bgs..lb. .07⅝- .07¾
Lampong, bgs.....lb. .03¾- .03¾
Telliicherry, bgs. .....lb. .07½- .07¾
Red, chillies, Japan, Hontaka., lb. .16¾- .17¼
Mombassa, bgs. .....lb. .24 - .25
White, Java, Muntok, bgs...lb. .07¼- .07⅝
Saigon, bgs.....lb. .06¾- .07
Peppermint leaves, dom., bls..lb. .15 - .20
import, bls. .....lb. .40 - .45
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b., stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. N. A. Cal. S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .66 - .68
Petrolatum, amber, dms., c.l..lb. .02¾- —
l.c.l. .....lb. .03¾- —
amber, extra, dms.....lb. .02¾- —
l.c.l. .....lb. .04 - —
veterinary, dms., c.l.....lb. .02¼- —
white, cream, dms., c.l.....lb. .04¼- —
l.c.l. .....lb. .05¾- —
lily, dms., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- —
snow, dms., c.l.....lb. .06¼- —
l.c.l. .....lb. .07¾- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .98
Athens .....bbl. .84 - 1.00
Belridge .....bbl. .70 - 1.32
Buena Vista Hills....bbl. .70 - 1.88
Canal-Greely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .96
Coyote Hills (West)...bbl. .78 - 1.23
Domingues .....bbl. .79 - 1.08
East Coyote .....bbl. .76 - .96
Elk Hills .....bbl. .70 - 1.28
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.48
El Segundo.....bbl. .80 - 1.21
Huntington Beach....bbl. .78 - 1.29
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbl. .70 - —
Kettleman Hills.....bbl. 1.19 - 1.49
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.26
Lost Hills.....bbl. .70 - 1.18
McKittrick .....bbl. .70 - —
Midway-Sunset (except Lakeview)..bbl. .70 - 1.28
Montebello .....bbl. .77 - 1.42
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.26

ADVERTISEMENT—*This entire page is a paid advertisement.* *Prepared Monthly by the U. S. Industrial Chemicals, Inc.*

USI SOLVENT NEWS USI

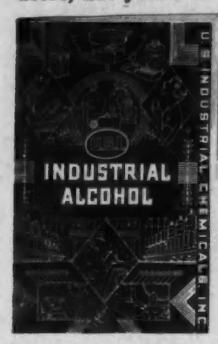
Reg. U.S. Pat. Off.

August ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1939

New Alcohol Manual Published by U.S.I.

96 Page Handbook Lists Formulas, Uses, Regulations, Technical Data

A completely revised edition of U.S.I.'s handbook, Industrial Alcohol, long relied on as a handy reference and guide by many users, has just been issued.



The new book incorporates all the latest changes in authorized C.D. and S.D. formulas and gives the industrial alcohol user, for the first time in convenient form, a complete record of the authorized uses for specially denatured alcohol under the present code system of classification. This system, announced in SOLVENT NEWS for February 1939, classifies the uses for S.D. alcohol under 15 broad divisions, about 90 subdivisions.

For the convenience of the reader, sections have been devoted to Pure, Completely Denatured, and Specially Denatured Alcohols, and to U.S.I.'s proprietary products—SOLOX, SUPER PYRO, and U.S.I. Denatured Alcohol Anti-freeze. Under each section is a working summary of Government Regulations. The authorized composition and uses for each formula, together with physical properties and commercial information, are also included.

A special section is devoted to technical information which includes U.S.P. Methods of Testing, tables on physical characteristics, gauging of tank cars and other pertinent data.

Every user of industrial alcohol will find this new U.S.I. book, Industrial Alcohol, indispensable as a ready reference manual. A copy may be obtained by sending a request on your business letterhead.

Insect Repellent & Suntan Lotion Employs U.S.I.'s "BMOO"

WASHINGTON, D. C. — Under the trade name BASK—Kilgore Development Corporation, on an exclusive basis, is offering in certain localities, through drug, sporting, and specialty stores, a combination Suntan and Insect Repellent lotion, in which U.S.I.'s new product Butyl-mesityl-oxide-oxalate, "BMOO," is the active ingredient.

"BMOO," produced exclusively by U.S.I., is fully described in this issue. Inquiries should be referred to U.S.I.

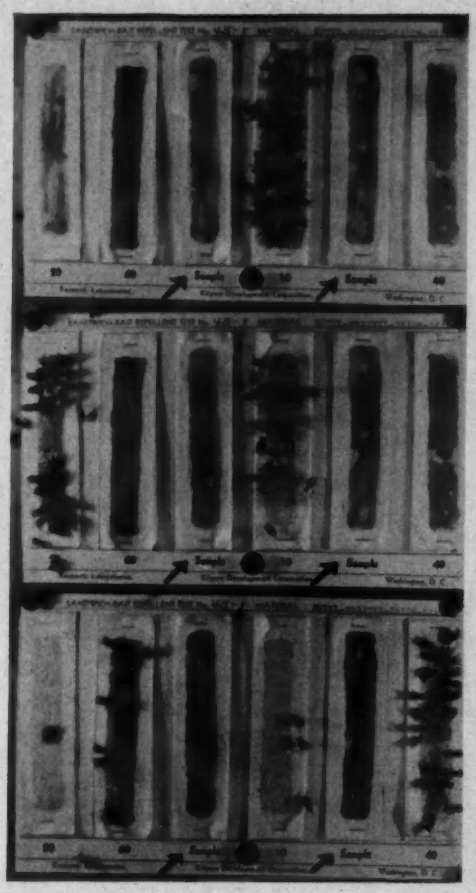
Early reports indicate BASK has met with phenomenal success in the brief time it has been on the market this summer. Due to increasing interest in this dual purpose product, it is planned, eventually, to widen the market for BASK to a national scale.

Samuel Stroock

Samuel Stroock, cofounder and vice-president of Stroock & Wittenberg Corporation, U.S.I. affiliate, died at his home in New York, June 30th, at the age of 41, following a prolonged illness. Mr. Stroock was long prominently identified with the natural and synthetic resins industry. His passing came as a severe shock to his many friends and associates.

New Activator for Insecticides Boosts "Kill Power," Cuts Costs

Solution of Derris Extractives in New U.S.I. Organic Chemical Gives Higher Kill Per Unit Cost, Adds Amazing Repellent Effect



Remarkable Repellent Action of U.S.I.'s new Butyl Mesityl Oxide Oxalate is clearly shown in the test photos above. A 10% concentration in alcohol (sample at arrow) is compared with standard 20, 60, 10 and 40% concentrations of citronellol. Photos from top to bottom show flies attacking (1) 10% citronellol after 25 minutes, (2) 10 and 20% citronellol after 50 minutes and (3) gathered on the 40 and 60% citronellol baits after 4 hours and 30 minutes. Note that at no time did the flies touch the 10% sample under test.

New insecticide formulations, made from currently available active ingredients, are proving many times more effective through addition of a newly developed concentrate manufactured by U. S. Industrial Chemicals, Inc.

This new concentrate, known as DEREX, is a solution of derris root extractives in a recently developed auxiliary solvent, Butyl Mesityl Oxide Oxalate.

Information and illustrations in this article are based on experimental work done by an independent laboratory.

It is offered exclusively by U. S. I. as a raw material for incorporation in liquid insecticidal sprays for use in the household, for livestock, and in many other places where such insecticides are required. DEREX is available in two forms: standard, containing rotenone; and special, containing no rotenone but of the same insecticidal strength.

Does Not Increase Odor

The use of DEREX in kerosene-type contact insecticides confers two important advantages. First, it provides an insecticide manufacturer with a sure and economical way of incorporating rotenone or rotenone-bearing extractives, both of which have long been recognized as having higher insecticidal activity per unit cost of any material available. DEREX makes this possible for the first time without increasing the odor of the finished insecticide. Because of the unusual solvent power of Butyl Mesityl Oxide Oxalate, the insecticides containing DEREX have an extended shelf life without loss of active principles occurring.

DEREX should not be confused with solutions of rotenone and derris extractives in inert solvents, where the insecticidal activity is due solely to the dissolved substances. Butyl Mesityl Oxide Oxalate acts not only as a solvent in DEREX but also has insecticidal prop-

(*Continued on next page*)

Adhesion of Cellulose Acetate Films Reported Greatly Improved by Addition of Oxidation Product

ROCHESTER, N. Y.—A method for improving the adhesive qualities of lacquers containing cellulose acetate by the addition of a small percentage of oxidized cellulose acetate is reported by two inventors here.

The process, covered by a U. S. patent, outlines a method for preparing the oxidized cellulose acetate by holding 100 parts of cellulose acetate in suspension in a solution of 10 parts potassium permanganate, 13.5 parts sulphuric acid, 1500 parts water until the $KMnO_4$ is completely discolored—about three hours. It is then treated with water containing sulphur dioxide to remove the manganese dioxide, washed with distilled water and dried.

The resulting product is said to be compatible in all proportions with cellulose acetate. Lacquers with oxidized cellulose acetate, cellulose acetate and plasticizer are reported to have highly satisfactory adhesion, flexibility and resistance to water. A typical formulation dissolves 10 parts by weight of low-viscosity cellulose acetate and 2 parts of oxidized cellulose acetate in the following solvent mixture:

Acetone	50%
Ethylene glycol monomethyl ether	20%
Toluene	15%
Methyl acetate	15%

Any lower alkyl phthalate such as diethyl phthalate may be added as a plasticizer.

Films formed with this solution are reported to have adhesive qualities equal to any typical commercial nitrocellulose lacquer.

ADVERTISEMENT—*This entire page is a paid advertisement.*

August ★ # SOLVENT NEWS ★ 1939

Short Cut In pH Procedure With Quinhydrone Electrode

BALTIMORE, Md.—The usual method of pH determinations with the Quinhydrone Electrode is to add an excess of solid quinhydrone to the solution.

A short cut reported by U.S.I.'s laboratories here is to add approximately 5 cc. of a saturated solution of quinhydrone in C. P. Acetone per 100 cc. of solution to be tested. (The saturated solution contains about 44 gms. of quinhydrone per litre.)

This method not only saves the time required to dissolve the quinhydrone in the solution but also eliminates wasting the reagent, as the tendency is to add a greater excess than is necessary.

New Insecticide Activator Of Derris Extractives

(*Continued from previous page*)

erties of its own. Thus, with DEREX, the manufacturer can obtain higher "kill power" for his sprays without increase in cost, or obtain the same "kill power" at a reduction in cost.

This was strikingly demonstrated in recent tests which showed that by the use of DEREX, savings up to 50% in the cost of active ingredients could be accomplished. However, the use of DEREX is not merely limited to pyrethrum-type insecticides. In combination with other synthetic materials, such as the thiocyanate paralytic agents, it has demonstrated similar advantages, namely, higher "kill" and lower cost.

The second advantage of adding DEREX to insecticides is that the solvent, Butyl Mesityl Oxide Oxalate is many times more effective and lasting as an insect repellent than any other material of this type now available. For example, when 5% alcoholic solutions of Butyl Mesityl Oxide Oxalate were tested against the same strength solutions of 20:1 pyrethrum and of oil of citronella, the Butyl Mesityl Oxide Oxalate showed 100% effectiveness against flies for over 19 hours, and the other two products showed only 25% to 75% effectiveness and were entirely exhausted after 2 to 2½ hours. It may, therefore, be expected that similar repellent effect will be carried through to the insecticide when DEREX is incorporated in the formula.

Non-Poisonous to Humans

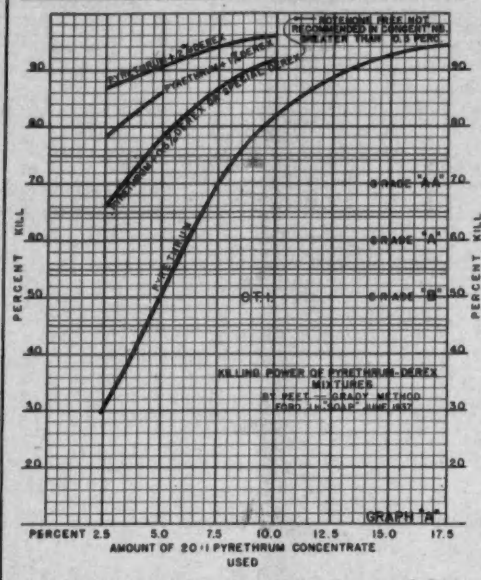
In spite of its high effectiveness and "kill power" against insects, Butyl Mesityl Oxide Oxalate has been shown by toxicological studies to have no effects when ingested. In addition, topical applications show no effects upon the human skin.

U. S. I. will offer to manufacturers two grades of DEREX which comprise a solution in Butyl Mesityl Oxide Oxalate of (1) derris extractives containing rotenone and (2) derris extractives, rotenone free. Further information may be secured by writing to U. S. I.

The name DEREX is a registered Trade-Mark of U. S. Industrial Chemicals, Inc.

Alcoholic Composition Aids Rapid Drying of Photo Film

NEW YORK, N. Y.—A patent covering an alcoholic composition to promote the quick drying of photographic film has been issued to an inventor here. The formulation requires a volatile, low molecular weight alcohol such as ethyl alcohol as the base of the composition in which are incorporated smaller amounts of glycerol or ethylene glycol and an agent capable of hardening or tanning gelatin such as formaldehyde, according to the patent.



THIS CHART showing the killing power of Pyrethrum-DEREX Mixtures as determined by the Peet-Grady Method, clearly illustrates the remarkable effectiveness of this new product in increasing the efficiency of pyrethrum-type insecticides. A similar chart, showing the increased killing power of Lethane 384-DEREX Mixtures, is available. Copies may be obtained by writing to U.S.I.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new coating material for paper, paper-board, metal, leather, glass, etc., is said to resist oils, gasoline, greases. It is also claimed to be useful in printing inks where it adds gloss and can be used as a carrier for dyes, pigments, etc. It is dissolved in alcohol for application. **(No. 239)**

U S I

Viscosity readings from 75 to 1,000,000 are obtainable with a single instrument of the falling ball type. A recent announcement states the apparatus is equipped with an electronic indicating mechanism for use with opaque liquids of any kind, according to the report. **(No. 240)**

U S I

"Chromium Plate" is used to describe a new metallic coating. It is an extremely fine metallic powder, and, according to the manufacturer, will produce a finish closely resembling chromium plating when the proper vehicle is employed. It is claimed to have excellent covering capacity and to be economical in use. **(No. 241)**

U S I

Spreading resins, caseins, and other liquid glues and bonding materials in commercial veneer and laminating work is simplified with a new machine said to apply a uniform film of adhesive in adjustable thickness. **(No. 242)**

U S I

Protection of metal surfaces from oxidation and corrosion by acid fumes is claimed for a new transparent coating that is also said to form an excellent base for paints. This new product is suggested as especially suitable for guarding metal sheets from rust. The manufacturer states it will not affect the metal surface and may be removed, if desired, by mild solvents. **(No. 243)**

U S I

Stripping baked synthetic enamels from metals such as aluminum, steel, zinc base die castings and magnesium alloys without etching or attacking them is claimed for a new product. The manufacturer states that it is non-caustic, will completely remove the enamel in from 1 to 3 minutes and leaves the metal clean and bright without the deposition attending the use of alkaline strippers. **(No. 244)**

U S I

Sealing interior surfaces of cast parts such as crankcases, headstocks, housings, and to retain any sand particles which may remain after cleaning is the purpose of a new lacquer. The material is reported not to chip or flake as a result of shock or abrasion, to be unaffected by oils or refrigerants. It can be applied by spraying or slushing. **(No. 245)**

U S I

New wide-range pH test papers covering the entire pH range and giving determinations correct within 0.5 unit are reported available. Five different papers and 14 buffer solutions produce the characteristic color for any pH unit and comprise the equipment according to the manufacturer. **(No. 246)**

U S I

A permanent marking ink for glass and porcelain requires only an ordinary pen for application, according to a current report. It is also stated that the ink dries very quickly and can be removed only with an abrasive. Four colors—white, blue, black and red, are offered. **(No. 247)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. (U.S.I.) BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

ESTERS, ETHYL
*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

ESTERS, PHTHALATES
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Butyl-mesityl-oxide-oxalate
Cellulose Acetate
Collodions
*Curbay Binders
*Curbay X (Dried Curbay)
*Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone

Petroleum, crude, bulk, at wells, California, Newhall	bbl.	.70	—
Orcutt	bbl.	.70	.90
Olinda Brea	bbl.	.76	1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80	1.16
Richfield	bbl.	.76	1.09
Rosecrans	bbl.	.84	1.06
Round Mt.	bbl.	.70	—
Santa Fe Springs	bbl.	.78	1.49
Santa Maria	bbl.	.65	.70
Santa Paula	bbl.	.70	1.01
Seal Beach	bbl.	.79	1.19
Signal Hill	bbl.	.80	1.21
Torrence	bbl.	.80	1.06
Wheeler Ridge	bbl.	.70	.88
Whittier	bbl.	.76	.90
Wilmington	bbl.	.76	1.21
Canada:—			
Oil Springs	bbl.	1.97	—
Petrolia	bbl.	1.90	—
Central West:—			
Illinois	bbl.	.53	1.05
Lima	bbl.	.90	—
Western Michigan	bbl.	.88	—
Princeton	bbl.	1.05	—
East Texas	bbl.	1.10	—
Gulf Coast:—			
Barber's Hill	bbl.	.79	1.16
Batson	bbl.	.74	1.04
Dayton	bbl.	.95	1.41
Esperson	bbl.	.79	1.16
Goose Creek	bbl.	.79	1.26
Hull	bbl.	.74	1.04
Humble	bbl.	.74	1.04
Liberty	bbl.	.79	1.16
Markham	bbl.	.90	1.29
Orange	bbl.	.79	1.16
Gulf Coast, Pettus	bbl.	1.29	—
Pettus	bbl.	1.29	—
Pierce Junction	bbl.	.95	1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	.79	1.38
Saratoga	bbl.	.74	1.04
Sour Lake	bbl.	.74	1.04
Spindle Top	bbl.	.74	1.04
Sugarland	bbl.	.79	1.26
West Columbia	bbl.	.79	1.29
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.02	1.12
Kentucky river	bbl.	1.10	1.20
Western Kentucky (Owensboro)	bbl.	1.10	—
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.73	1.05
Caddo	bbl.	.99	1.20
Cameron Meadows	bbl.	.74	1.13
Choctaw	bbl.	.74	1.20
Cotton Valley	bbl.	.73	1.05
Darrow	bbl.	.74	1.20
De Soto	bbl.	.73	1.05
El Dorado	bbl.	.73	1.05
Haynesville	bbl.	.73	1.05
Homer	bbl.	.73	1.05
Iowa	bbl.	.74	1.13
Lockport	bbl.	.74	1.13
Miller County	bbl.	.73	1.05
Pine Island	bbl.	.73	1.05
Rainbow	bbl.	.73	1.05
Rodessa	bbl.	.73	1.05
Smackover	bbl.	.73	—
Tepetate	bbl.	1.09	—
Urania	bbl.	.89	—
Mexico, f.o.b. terminals Mexican port — based on contract:—			
Panuco	bbl.	No prices	
Tuxpan	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51	1.10
Oklahoma-Kansas	bbl.	.58	1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.00	—
Corning	bbl.	1.62	—
Pennsylvania grade, in Buckeye lines	bbl.	1.55	—
Eureka lines	bbl.	1.59	—
N. Y. Transit lines, bbls.		2.00	—
S. W. Penn. lines, lower district in National Transit lines	bbl.	1.65	—
	bbl.	1.88	1.98
Rocky Mountain:—			
Big Muddy	bbl.	.98	—
Canon City-Florence	bbl.	.90	—
Cat Creek	bbl.	1.10	—
Dutton Creek	bbl.	.86	1.10
Elk Basin	bbl.	.90	—
Fort Collins-Wellington,	bbl.	.81	1.06
Frannie, light	bbl.	.45	.53
Grass Creek, light	bbl.	.90	—
Iles	bbl.	.92	.96
Lance Creek	bbl.	.77	—
Lander	bbl.	.51½	—
Midway	bbl.	.86	1.10
Rock Creek	bbl.	1.00	—
Salt Creek	bbl.	.86	1.10
Sunburst	bbl.	1.20	—
Torchlight	bbl.	1.80	—
South Central and Southwestern Texas:—			
Cass County	bbl.	.73	1.06
Cleveland-Liberty	bbl.	1.14	—
Conroe	bbl.	1.27	—
Darst Creek	bbl.	.96	—
Hardin-Liberty	bbl.	1.00	1.03
Luling	bbl.	.87	—
Lytton Springs	bbl.	.99	—
Mirando, (Incl. Duval).	bbl.	.74	1.33
Panola County	bbl.	.73	1.06
Salt Flat	bbl.	.96	—
Tomball	bbl.	.95	1.41
Van	bbl.	.93	—
West Beaumont	bbl.	.79	1.39
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.67	1.01
Gray County	bbl.	.73	1.06
West Texas:—			
Artesia, N. M.	bbl.	.61	.88
Crane	bbl.	.53	.96
Crockett	bbl.	.53	.96
Hector	bbl.	.53	.96
Eddy (N. M.)	bbl.	.77	—
Howard	bbl.	.53	.95
Jackson, N. M.	bbl.	.61	.88
Lea, N. M.	bbl.	.53	.95
Maljamar, N. M.	bbl.	.61	.85
Mitchell	bbl.	.63	.96
Pecos	bbl.	.65	.97
Upton	bbl.	.53	.95
Winkler	bbl.	.53	.96
Ether, 30-60° dms., c.l., G.3.	gal.	.14	—
l.c.l., G.3.	gal.	.25	—
tanks, G.3.	gal.	.13	—
35-60°, dms., l.c.l., G.3.	gal.	.30	—
40-75°, dms., c.l., G.3.	gal.	.14	—
l.c.l., G.3.	gal.	.25	—
tanks, G.3.	gal.	.13	—
laboratory grade, dms., c.l., G.3.	gal.	.14	—
c.l., G.3.	gal.	.25	—
10-gal. lots, G.3.	gal.	.50	—
Lacquer, diluent, at refinery:— California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles	gal.	.11	—
San Francisco	gal.	.11½	—
f.o.b. Richmond	gal.	.11	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	—
East Coast, tanks	gal.	.09	—
Group 3, tanks	gal.	.07⅝	.07½
Naphtha, cleaners', at refinery:— East Coast, tanks	gal.	.10	—
Group 3, tanks	gal.	.06⅝	.06½

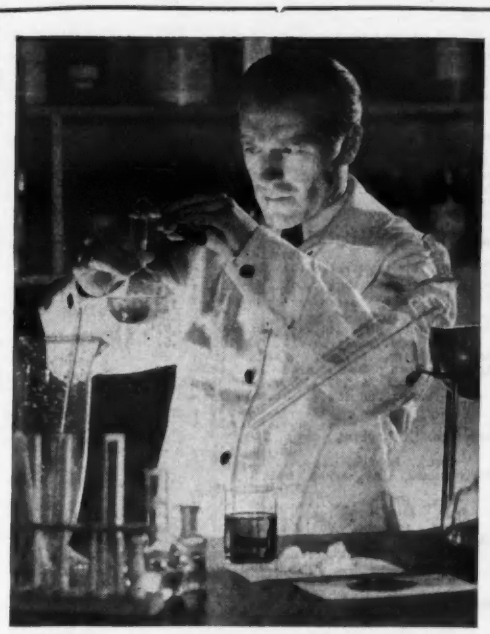
Petroleum, naphtha, cleaners, tankwagon, Boston, ex tax.	gal.	.13	—
Bridgeport	gal.	.13½	—
Chicago, inc. 4c. tax.	gal.	.17½	—
Decatur, inc. 4c. tax.	gal.	.186	—
Des Moines, inc. 4c. tax.	gal.	.184	—
Evansville, inc. ex tax.	gal.	.14½	.15½
Milwaukee, inc. 5c. tax,	gal.	.198	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	—
Newark, ex tax.	gal.	.10	—
New York, ex tax.	gal.	.10	—
Omaha, ex tax.	gal.	.144	.154
Oklahoma City, ex tax.	gal.	.16	—
Philadelphia, ex tax.	gal.	.11½	—
St. Louis, inc. 1c. tax.	gal.	.15	—
Syracuse, 150 gals.	gal.	.14	—
smaller lots, galv. drums,	gal.	.10	—
milk cans.	gal.	.21	—
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.15	—
2, over 90% arom., same basis.	gal.	.16	—
8, tanks, f.o.b. Paulsboro, N.J.	gal.	.13	—
30, same basis	gal.	.14½	—
40, same basis	gal.	.14½	—
v.m.&p., at refinery:— California, 46.5, 254 l.b.p., 330 e.p., tanks, f.o.b. El Segundo.	gal.	.11	—
Richmond.	gal.	.11½	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	—
54-57, 190 l.b.p., 310 e.p., tanks, dlvd., Los Angeles.	gal.	.10	—
54-57 l.b.p., 310 e.p., tanks, dlvd., San Francisco.	gal.	.10½	—
Portland, Seattle.	gal.	.11	—
East Coast, tanks.	gal.	.09	—
Group 3, tanks.	gal.	.06⅝	.06½

Petroleum, v.m.&p., naphtha, tankwagon, Boston, ex tax.	gal.	.13	.14
Chicago, inc. 4c. tax.	gal.	.16½	—
Des Moines, inc. 4c. tax.	gal.	.184	—
Decatur, inc., 4c. tax.	gal.	.186	—
Evansville, Ind., ex tax.	gal.	.147	.157
Milwaukee, inc. 5c. tax.	gal.	.198	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	—
Newark, ex tax.	gal.	.11	—
New York, ex tax.	gal.	.10	—
Omaha, ex tax.	gal.	.144	.154
Philadelphia, ex tax.	gal.	.12½	—
St. Louis, inc. 1c. tax.	gal.	.15.2	—
solvent, rubber, at refinery, East Coast, tanks.	gal.	.09	—
Group 3 light, 120 l.b.p., 250 e.p., tanks.	gal.	.06⅝	.06⅞
standard, 180 l.b.p., 288 e.p., tanks.	gal.	.06⅝	.06⅞
Stoddard (CS 3-38), at refinery:— East Coast, tanks.	gal.	.08½	—
Group 3, tanks.	gal.	.06⅝	.06
tankwagon, Boston, ex tax.	gal.	.12½	.13⅛
Chicago, inc. 4c. tax.	gal.	.159	—
Decatur, inc. 4c. tax.	gal.	.181	—
Des Moines, inc. 4c. tax.	gal.	.179	—
Evansville, Ind., ex tax.	gal.	.135	.145
Milwaukee, inc. 5c. tax.	gal.	.193	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.177	—
Newark, ex tax.	gal.	.09	—
New Orleans, ex tax.	gal.	.11	—
New York, ex tax.	gal.	.09	—
Omaha	gal.	.131	.14
Philadelphia, ex tax.	gal.	.10½	.12½
St. Louis, inc. 1c. tax.	gal.	.129	—
Tulsa, ex tax.	gal.	.10	.11
thinners, at refinery:— California, 34, 325 l.b.p., 390 e.p., low naphtha, 6,000 gal. tanks or transport			

Petroleum thinners, California, trucks, f.o.b. Los Angeles.	gal.	.15	—
Portland, Ore.	gal.	.16	—
Richmond	gal.	.14½	—
Seattle, Wash.	gal.	.16½	—
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore.,	gal.	.10½	—
Richmond	gal.	.10	—
Southern Calif.	gal.	.09½	—
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo,	gal.	.11	—
Portland, Ore.	gal.	.12	—
Richmond	gal.	.11½	—
Seattle, Wash.	gal.	.12	—
East Coast, 43-47, tanks.	gal.	.08½	—
47-49, tanks.	gal.	.09½	.10
New Jersey, tanks.	gal.	.09½	—
Group 3, tanks.	gal.	.06⅝	.06½
tankwagon, tax included:— Albany	gal.	.13	—
Baltimore (100 gals.)	gal.	.12½	.13½
25-99 gals.	gal.	.13½	.15½
Boston	gal.	.13	—
Bound Brook, North Amboy, N. J.	gal.	.11½	.13½
Bridgeport, Conn.	gal.	.11	—
Buffalo	gal.	.15	—
Camden, N. J.	gal.	.10	.13
Chicago	gal.	.162	—
Decatur, Ill.	gal.	.176	—
Des Moines	gal.	.174	—
Evansville, Ind.	gal.	.137	.147
Milwaukee	gal.	.188	—
Minneapolis-St. Paul	gal.	.19	—
Newark	gal.	.09	—
New York (200 gals.)	gal.	.09	—
Omaha	gal.	.131	.141
Philadelphia	gal.	.10	.12
Pittsburgh	gal.	.11½	.13½
Providence	gal.	.11½	—

Uniformity is Important in a Lacquer Diluent . . . .

But it's only ONE of the Reasons SKELLYSOLVE is so Widely Used in the Paint and Varnish Industry



Skellysolve's reputation for quality and uniformity is protected by a skilled technical staff, and by highly specialized plant equipment.

In working with our friends in the paint, lacquer and varnish industry to provide solvents that fit their needs exactly, we've found five big advantages in the Skellysolve line—all important to you.

The first advantage is *uniformity*. You can depend on Skellysolve being the same month after month. There is no need to change formulas when you rely on Skellysolve, so you save time, trouble, and expense.

The second advantage is—*no greasy residues*. Drying is complete and rapid, with minimum gum formation. Advantage number three is—*close boiling ranges*, some as low as 18° F. from initial to dry flask endpoint. Skellysolve's close boiling ranges remain constant, in storage and in formulas, and tendency to fractionate is cut to the minimum. Advantage number four is—*low evaporation losses*. This saves you money, reduces fire hazard and tendency to blush.

And advantage number five is Skellysolve's *uninterrupted supply*. We have the raw materials. We're in the business to stay. You can count on getting Skellysolve for years to come. We've seen how important that is, when we've rushed to the rescue of people whose source of supply has failed them for various reasons.

You see, Skelly pioneered in the development of dependable, uniform naphthas for special industrial uses. And we're still pioneering in close cuts, constant uniformity, rigid quality-control. So, whatever type or price of solvent you need, we're sure it will pay you to give us a call.

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES

Petroleum—Silver Proteinate

Petroleum, thinners, tankwagon, tax incl., Rochester..gal. .12 - —
St. Louis.....gal. .142 - —
Syracuse .....gal. .12½- —
Trenton .....gal. .10 - —
Wilmington, Del.....gal. .10 - .12
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns. .....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots.. works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
land pebble, 70% min., bulk, mines..long ton. 2.15 - —
72% min., bulk, mines..... long ton. 2.40 - —
75% basis, 74% min., bulk mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons. lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .60
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .25 - .35
Pilocarpine hydrochloride, bots., vis..oz. 2.25 - 2.35
Nitrate, bots., vis.....oz. 1.75 - 2.00
Pimento, bgs.....lb. .14¾- .15
Pinkroot, bls.....lb. .31 - .32
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dms., c.l., dlvd. Aaron..ton. 23.75 -24.00
Linseed. dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls. .....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .14 - .16
western, bls. .....lb. .10½- .11
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .25 - .26
Poppy flowers, red, bls.....lb. .80 - 1.00
Seed, Dutch, bgs.....lb. .07 - .07½
Polish, bgs.....lb. .06½- .07
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demi., 50 lbs. .....lb. .13 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs. .....lb. .17 - —
Bichromate, spot, c.l., works..lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .08½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb .02 87½- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07½- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¼
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 96%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. .50 - .65
Cyanide, gold, 41% gold, bots., works .oz. 14.20 -15.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .80½- .82
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.18 - —
bots. or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16

Potash, kainit, 20% K_2O, bulk, c.i.f., ports..ton. 12.25 - .
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports.....unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs. .....lb. .11 - .13½
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .58½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .58½- —
Potash muriate prices in bags are $3 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls. .....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .14 - .15
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 36.25 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l. .....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. 24.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .12 - .15
Berries, bgs., to arrive.....lb. No stocks
Prince's pine herb, bls.....lb. .15 - .16
Propane, tanks, G.2.....gal. .06 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works....lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03¾- —
less than 3, works....lb. .04 - —
O, O-½, O-¾, and ½ bbls., less than ¼, works....lb. .04½- —
3 or over, works....lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y...ton. 32.65 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs., to 1,000 lbs., ex whse, ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .09 - .10
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 6.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms. .....100 lbs. 5.00 - —
standard, dms. .....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal. 10.65 -11.00
Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.63 - —
refd., 2°, dms.....lb. .50 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh., c.l. mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3, 200 mesh c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottled, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
shell-demi, transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Quinine, sulphocarbolate, cns..oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride, cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .0585- .0606
Dutch, black, bgs.....lb. .06¼- .06⅜
red, bgs. .....lb. .07¼- .07⅝
Japanese, bgs.....lb. .05⅝- .06
Raspberries, dried, bls.....lb. .40 - .44
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia., (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Cadmium, lithopone, deep shade, bbls., ton lots, works frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .93 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
medium shade, kgs., smaller lots, same basis..lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 4.50 - —
dms., 500-lb. lots.....lb. 4.35 - —
100-lb. lots .....lb. 4.45 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.10 - —
open order .....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. .62 - —
open order.....lb. .67 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 1.56 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works.lb. .08½- —
l.c.l., works .....lb. .09½- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05⅞- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .03⅜- .0390
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake.....lb. .13 - —
quicksilver, bbls., 5 tons..lb. 1.55 - —
smaller lots.....lb. 1.58 - 1.62
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.81 - —
Red saunders wood, ground, bbls., lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 5.35 -10.90
Rhubarb root, cs.....lb. .45 - .46
powd., bbls., kgs..lb. .50 - .52
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .18¾- —
smaller lots.....lb. .19¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .17¾- —
smaller lots.....lb. .18¼- —
Rose flowers, pale, bls.....lb. .44 - .45
red, bls.....lb. 2.00 - 2.10
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock, 280 lbs. 5.25 - —
D, bbls.....280 lbs. 5.25 - —
E, bbls.....280 lbs. 5.65 - —
F, bbls.....280 lbs. 5.90 - —
G, bbls.....280 lbs. 6.00 - —
H, bbls.....280 lbs. 6.32½- —
I, bbls.....280 lbs. 6.32½- —
K, bbls.....280 lbs. 6.35 - —
M, bbls.....280 lbs. 6.45 - —
N, bbls.....280 lbs. 6.65 - —
W, G., bbls.....280 lbs. 7.10 - —
W, W., bbls.....280 lbs. 7.50 - —
X, bbls.....280 lbs. 7.50 - —
Rosin, wood, bbls.....280 lbs. 4.10 - 5.72½
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 25.50 - —
l.c.l., f.o.b. mines.....ton. 37.50 - —
import, lump, bbls.....lb. .14 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .18 - .19
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .21 - .22
Saffron, Mexican, bls.....lb. .25 - .26
Spanish, tins .....lb. 28.00 -28.50
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls. .....lb. .06¼- .06¾
Safrol, cns.....lb. .51 - .53
dms. .....lb. .48 - .50
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton. 13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton. 15.00 -15.60
vacuum, common, fine, bgs., c.l. dlvd., N.Y....ton. 14.00 - —
l.c.l., dlvd. N.Y.....ton. 15.00 -19.70
Saltcake, grd., dom., bbls., works, ton. 19.00 -25.00
bulk, works .....ton. 15.00 - —
import, bulk, c.i.f.....ton. 15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons. 100 lbs. 7.50 - —
1-9 tons .....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo. 88.00 -90.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs. .....lb. 1.50 - —
Sarsaparilla root, Honduras, bls. lb. .35 - .36
Mexican, bls. .....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .12 - .13
select, bls. .....lb. .18 - .20
Savory, bbls. .....lb. .07½- .07¾
Saw palmetto berries, bgs....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots .....lb. .15½- —
kegs, 5,000 lbs., 1 shipm't..lb. .15½- —
smaller lots .....lb. .15⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega root, bls.....lb. .52 - .54
Senna leaves, Alexandria, bls..lb. .10 - .14
siftings, bls. .....lb. .00 - .00½
Tinnevelly, No. 1, bls....lb. .10 - .11
2 bls. .....lb. .07½- .08
3 bls. .....lb. .05 - .05½
powd., bbls., bxs.....lb. .09 - .10
Pods, bls. .....lb. .05½- .06
Serpentaria root, bls.....lb. .67 - .68
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .18 - .19
dlvd. Boston .....lb. .18½- .19½
Chicago .....lb. .18⅝- .19⅝
Pacific Coast.....lb. .21 - .23
bonedry, refd., bbls., f.o.b., N. Y..lb. .25 - —
dlvd. Boston .....lb. .25½- —
Chicago .....lb. .25⅝- —
Pacific Coast .....lb. .28 - —
Garnet, bgs.....lb. .12½- .18
Orange, D.C., VSO., Diamond I, cases..lb. .19 - .20
Superfine, bgs., f.o.b. Bost., N. Y..lb. .10 - .10½
dlvd., Chicago .....lb. .10½- .11
Pacific Coast.....lb. .12 - .18½
T.N., bgs., f.o.b. Bost., N. Y. lb. .09½- .10
dlvd. Chicago.....lb. .10 - .10½
Pacific Coast.....lb. .12½- .18
varnish, orange, 5-lb. cut., bbls..gal. .90 - .90
4½-lb. cut, bbls.....gal. .85 - .90
4-lb. cut, bbls.....gal. .80 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton. 17.00 - —
l.c.l., 2½ tons, works.ton. 19.00 - —
smaller lots, works.ton. 20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton. 19.00 - —
l.c.l., 2½ tons, works.ton. 19.50 - —
smaller lots, works.ton. 21.00 - —
400 mesh, bgs., c.l., works, ton. 35.00 - —
l.c.l., 2½ tons, works.ton. 36.50 - —
smaller lots, works.ton. 38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton. 20.00 - —
l.c.l., 2½ tons, works.ton. 21.50 - —
smaller lots, works.ton. 23.00 - —
90%, 325 mesh bgs., c.l., works..ton. 22.00 - —
bgs., l.c.l., 2½ tons, works, ton. 25.50 - —
smaller lots.....ton. 27.00 - —
hard-quarts, 140 mesh, bgs., c.l., works.....ton. 11.00 - —
l.c.l., works.....ton. 16.00 - —
Silver bullion.....oz. .34¾- —
Govt., purchase, dom., metal. oz. .7111- —
Govt. purchase, foreign metal oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, vis.....oz. .26⅞- .29½
Nucleinate, bots., cns., 480 oz., lots..oz. .30 - .31
Proteinate, bots., cns., 480 oz., lots..oz. .29 - .30

Simarubra bark, bls.	lb.	.26 -	.28
Skatol, bots.	lb.	75.00 -	80.00
Skullcap, Eastern, bls.	lb.	.16 -	.17
Western, bls.	lb.	.14 -	.17
Skunk cabbage root, bls.	lb.	.11 -	.12
Slate flour, bgs., c.l., works.	ton.	9.00 -	—
l.c.l., works	ton.	10.00 -	15.00
Sloe berries, bgs.	lb.	.10 -	.11
Smalt, black, extra velvet, cnts.,	lb.	.05 -	.08
Blue, cts.	lb.	.07 -	.08½
Snakeroot, Canada, bls.	lb.	.24 -	.26
Soapbark, bls.	lb.	.10½-	.12
crushed, bls., bbls.	lb.	.11 -	.12
cut, bls., bbls.	lb.	.13 -	.14
powd., bbls.	lb.	.15 -	.16
Soda, acetate, anhyd., dms., dlvd.	lb.	.08¼-	.10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04 -	—
l.c.l., dlvd.	lb.	.04½-	.06
powd., 90%, dms., c.l., dlvd.,	lb.	.06 -	—
l.c.l., dlvd.	lb.	.06¾-	—
Alginate, dms., bbls., works,	lb.	.71 -	.95
Antimoniate, bbls.	lb.	.11½-	.12
Arsenate, dms., dealers, c.l., works.	lb.	.08 -	—
l.c.l., dms., works	lb.	.08½-	—
Arsenite, dry, gray, dms., c.l., dealers' works.	lb.	.07½-	.09½
l.c.l., dms., works	lb.	.08 -	.10
white, dms., c.l., dealers' works.	lb.	.09 -	.11
l.c.l., dms., works	lb.	.09½-	.11½

Soda arsenite, dry, gray, prices are ¼c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.10 -	—
l.c.l., Zone 1	100 lbs.	2.13 -	—
2	100 lbs.	2.28 -	—
3	100 lbs.	2.53 -	—
4	100 lbs.	2.93 -	—
bbls., c.l., works.	100 lbs.	1.35 -	—
58%, l.c.l., Zone 1.	100 lbs.	2.35 -	—
2	100 lbs.	2.50 -	—
3	100 lbs.	2.75 -	—
4	100 lbs.	3.15 -	—
cnts., c.l., works.	100 lbs.	.95 -	—
extra light, 58%, bgs., c.l.,	100 lbs.	1.05 -	1.08
l.c.l., Zone 1	100 lbs.	2.08 -	—
2	100 lbs.	2.23 -	—
3	100 lbs.	2.48 -	—
4	100 lbs.	2.88 -	—
bbls., c.l., Zone 1.	100 lbs.	1.45 -	—
2	100 lbs.	2.60 -	—
3	100 lbs.	2.80 -	—
4	100 lbs.	3.25 -	—
l.c.l., Zone 1	100 lbs.	2.45 -	—
bulk, c.l.	100 lbs.	.90 -	—
light, 58%, bgs., c.l., works,	100 lbs.	1.05 -	1.08
l.c.l., Zone 1.	100 lbs.	2.08 -	—
2	100 lbs.	2.23 -	—
3	100 lbs.	2.48 -	—
	100 lbs.	2.88 -	—
bbls., c.l., works.	100 lbs.	1.35 -	—
l.c.l., Zone 1.	100 lbs.	2.35 -	—
2	100 lbs.	2.50 -	—
3	100 lbs.	2.75 -	—
4	100 lbs.	3.15 -	—
bulk, c.l.	100 lbs.	.90 -	—

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Soda benzoate, tech., bbls., 4,000 lbs. or more.	lb.	.39 -	—
1,000 to 3,900 lbs.	lb.	.40 -	—
900 lbs. or less.	lb.	.42 -	—
USP, bbls., 4,000 or more.	lb.	.46 -	—
1,000 to 3,900 lbs.	lb.	.47 -	—
900 lbs. or less.	lb.	.50 -	—
dms., 4,000 lbs., or more,	lb.	.47 -	.48
1,000 to 3,900 lbs.	lb.	.48 -	.49
900 lbs. or less.	lb.	.51 -	.52
Bicarbonate, USP, gran., bbls., c.l., works.	100 lbs.	2.25 -	—
powd., bbls., c.l., works,	100 lbs.	1.85 -	—
l.c.l., dlvd. N. Y.	100 lbs.	2.51 -	—
kgs., c.l.	100 lbs.	2.10 -	—
l.c.l., dlvd. N Y.	100 lbs.	2.76 -	—
tech., bbls., c.l., wks.	100 lbs.	1.70 -	—
l.c.l.	100 lbs.	2.05 -	—
bgs., c.l.	100 lbs.	1.55 -	1.60
l.c.l.	100 lbs.	1.90 -	1.95
Bichromate, spot, c.l., works.	lb.	.06¾-	—
l.c.l., 6 cks. or 10 bbls. or over, works.	lb.	.07 -	—
5 cks, or 9 bbls. or less, works.	lb.	.07¼-	—
Bifluoride, bbls.	lb.	.11¼-	.12

Simarubra—Soda Nitrate

Soda, bisulphite, powd., bbls., c.l., bbls., wks.	100 lbs.	3.30 -	3.55
l.c.l., works	100 lbs.	3.50 -	3.60
solution, 33 deg., bbls., c.l., works.	100 lbs.	1.30 -	—
l.c.l., bbls., works.	100 lbs.	1.55 -	—
66 deg., bbls., c.l., works,	100 lbs.	1.35 -	—
l.c.l., bbls., works.	100 lbs.	1.60 -	—
35 degs., bbls., c.l., works,	100 lbs.	1.40 -	—
l.c.l., bbls., works.	100 lbs.	1.65 -	—
40 deg., bbls., works.	100 lbs.	1.55 -	—
l.c.l., bbls., works.	100 lbs.	1.80 -	—
Bromide, USP, gran., bbls., 500 lbs.	lb.	.31 -	—
fiber dms., 100 lbs.	lb.	.32 -	—
Cacodylate bots., 5 lbs.	lb.	5.81 -	—
jars 25 lbs.	lb.	5.50 -	—
Carbonate (see Soda ash, soda monohydrated, soda sal)			
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works.	100 lbs.	2.95 -	—
dms., c.l., works.	100 lbs.	2.70 -	—
l.c.l., Zone 1	100 lbs.	3.55 -	4.00
2	100 lbs.	3.70 -	5.05
3	100 lbs.	3.95 -	5.30
4	100 lbs.	4.35 -	5.70
electro process, dms., c.l., works.	100 lbs.	2.70 -	—
l.c.l. same zone prices as ammonia process.			
liquid, 47-49% buyers' tanks, works.	100 lbs.	1.92½-	—
seller's tanks, works,	100 lbs.	1.95 -	—
70%, buyer's tanks, works,	100 lbs.	1.97½-	—
seller's tanks, works,	100 lbs.	2.00 -	—
solid, 76%, ammon. process, dms., c.l., works.	100 lbs.	2.30 -	—
l.c.l., Zone 1	100 lbs.	3.15 -	—
2	100 lbs.	3.30 -	—
3	100 lbs.	3.55 -	—
electro process, dms., c.l., works.	100 lbs.	2.30 -	—
l.c.l., same zone prices as ammon. process.			

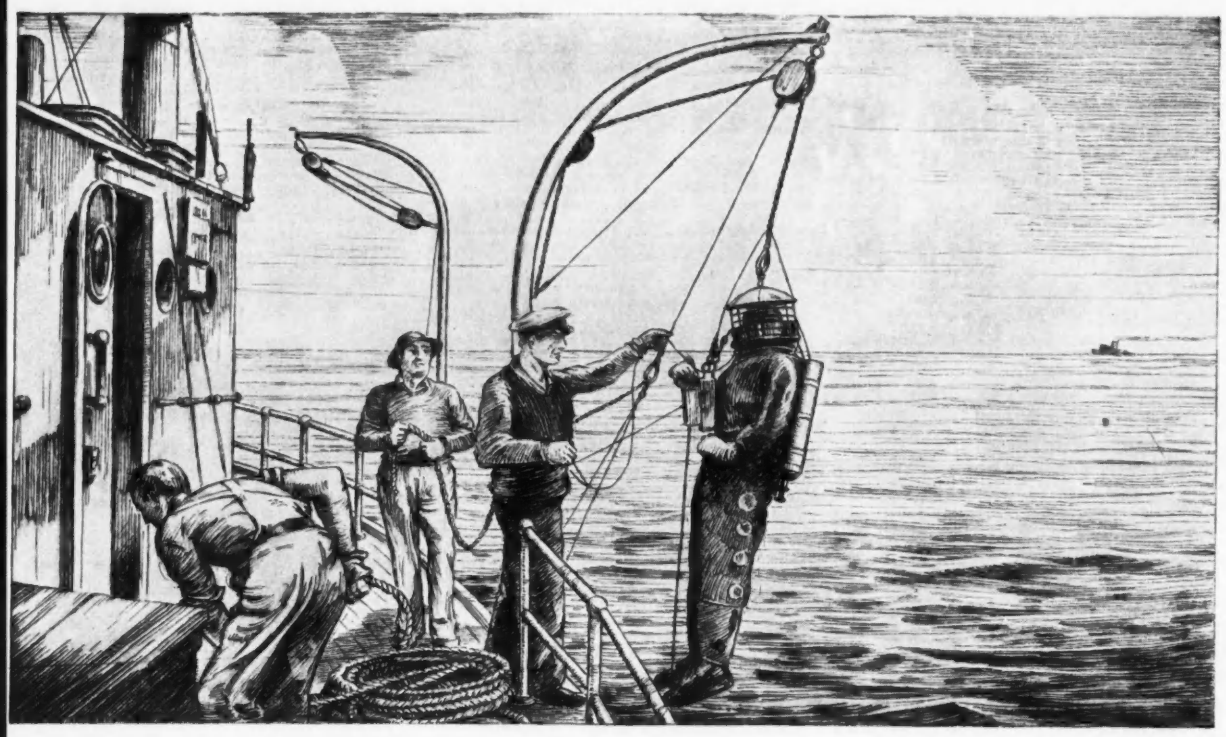
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs c.l., works.	lb.	.06¼-	—
l.c.l., works.	lb.	.06½-	—
powd., bgs., c.l., works.	lb.	.06½-	—
l.c.l., works.	lb.	.07 -	.08½
Chromate, spot, c.l., works.	lb.	.08¼-	—
l.c.l., 6 cks., 10 bbls. or over, works.	lb.	.08¾-	—
smaller quantities.	lb.	.08¾-	—
Citrate, U.S.P., VIII, gran. bbls., 225-lb. lots.	lb.	.18½-	—
cns., 50-lb. lots.	lb.	.20½-	—
25-lb. lots.	lb.	.22½-	.28½
kgs., 100-lb. lots.	lb.	.19½-	—
USP XI, gran., bbls., 250-lb. lots.	lb.	.24 -	—
boxes, 50-lb. lots.	lb.	.26 -	—
cns., 25-lb. lots.	lb.	.28 -	.29
kgs., 100-lb. lots.	lb.	.25 -	—
powd., bbls., 250-lb. lots.	lb.	.24½-	—
boxes, 50-lb. lots.	lb.	.26½-	—
cns., 25-lb. lots.	lb.	.29½-	—
kgs., 100-lbs. lots.	lb.	.25½-	—
Cyanide, 96-98%, dom., dms.	lb.	.14 -	.15
import, 90%, cs.	lb.	.12¾-	.13¾
Cyanide, gold, 46% gold, bots., works.	oz.	15.85 -	17.10
Diacetate, 53-55% acidity, bbls., dlvd.	lb.	.09 -	—
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila.	lb.	.07¼-	—
l.c.l., 10 or over, same basis.	lb.	.07¾-	—
5-9, same basis.	lb.	.08¼-	—
1-4, same basis.	lb.	.08¾-	—
95%, bbls., c.l., same basis,	lb.	.07¼-	—
l.c.l., 10 or over, same basis.	lb.	.08 -	—
5-9, same basis.	lb.	.08¼-	—
1-4, same basis.	lb.	.08¾-	—

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots.	lb.	1.00 -	—
smaller lots.	lb.	1.15 -	—
cns., 25 lbs.	lb.	1.40 -	—
powd., bbls., 1,000-lb. lots,	lb.	1.05 -	—
smaller lots.	lb.	1.20 -	—
cns., 25 lbs.	lb.	1.45 -	—
Hydroxide, USP, sticks, cns., 100-lb. lots.	lb.	.20½-	.22
Hypophosphite, N.F., cns., 100-lb. lots.	lb.	.67 -	—
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.	100 lbs.	2.25 -	—
bbls., same basis.	100 lbs.	2.45 -	—
l.c.l., bgs., wks., frt., equal'd,	100 lbs.	2.50 -	—
bbls., same basis.	100 lbs.	2.70 -	—
	100 lbs.	2.40 -	2.65
pea bgs., c.l., works.	100 lbs.	2.60 -	—
works.	100 lbs.	2.60 -	—
bbls., works.	100 lbs.	2.80 -	—
dms., works.	100 lbs.	3.10 -	—
5,000 lbs. and over, bgs., wks.	100 lbs.	2.75 -	3.00
bbls., wks.	100 lbs.	2.95 -	3.20
dms., wks.	100 lbs.	3.25 -	3.60
2,500 to 5,000 lbs., bgs., wks.	100 lbs.	2.85 -	3.10
bbls., wks.	100 lbs.	3.05 -	3.30
dms., wks.	100 lbs.	3.35 -	3.60
500 to 2,500 lbs., bgs., wks.	100 lbs.	3.10 -	3.35
bbls., wks.	100 lbs.	3.30 -	3.55
dms., wks.	100 lbs.	3.60 -	3.85
less than 500 lbs., bgs., wks.,	100 lbs.	3.70 -	3.95
bbls., wks.	100 lbs.	3.90 -	4.15
dms., wks.	100 lbs.	4.20 -	4.45
Iodate, jars.	lb.	5.02 -	5.07
Iodide, jars.	lb.	2.10 -	—
bots.	lb.	2.21 -	2.47
Mandelate, bots., 5 lbs.	lb.	3.80 -	—
fib. dms., 100-lb. lots.	lb.	3.05 -	—
smaller lots.	lb.	3.15 -	3.20
Metanilate, kgs.	lb.	.41	Nom.
Metasilicate, ground, dms., c.l., works.	100 lbs.	3.15 -	—
l.c.l., works.	100 lbs.	3.40 -	—
cryst., dms., c.l.	100 lbs.	2.90 -	—
gran., bbls., c.l., wks.	100 lbs.	2.20 -	—
Molybdate, kgs., wks.	lb.	.60 -	—
less kgs.	lb.	.65 -	—
Monohydrated, bbls.	100 lbs.	2.60 -	—
works	100 lbs.	2.30 -	—
Naphthionate, bbls.	lb.	.50 -	—
Nitrate, crude, c.l., 100-lb. bgs., July delivery, f.o.b. cars producing point or ports, rail or boat shipment.	ton.	29.00 -	—
200-lb. bgs., same basis.	ton.	28.80 -	—
bulk, same basis.	ton.	27.00 -	—
refd., gran., bbls., 10 tons.	100 lbs.	2.50 -	—
1-9 tons.	100 lbs.	2.65 -	—
smaller lots.	100 lbs.	2.90 -	—
pwd., bbls., ton lots.	100 lbs.	5.65 -	—
smaller lots.	100 lbs.	5.90 -	—

INTERESTING USES OF ALKALIES



MAKING DEEP SEA DIVING SAFER

ONE OF THE latest novel uses of Caustic Soda is for purifying helium gas which deep sea divers now often use in the artificial "air" they breathe. Helium is preferred to the nitrogen of natural air because it diffuses readily in the blood, permitting less time for safe "decompression" when coming up from great depths. Using a mixture of 80% helium and 20% oxygen, with a self-contained diving dress of his own invention, Mr. Max Nohl in 1937, made a record dive of 420 feet. Helium was used by divers in connection with the Squalus and other submarine rescue and salvage work.

The helium thus used must first be freed from impurities. Caustic Soda does that, "scrubbing" the crude gas as it comes from the ground, to absorb the CO_2 in same. The material is then run through a lime solution to remove the Caustic. The temperature is then lowered by degrees on the remaining gas, by cycling it until all the gases are liquefied with the exception of nitrogen and crude helium. This residue is then recycled until the nitrogen is liquefied and a product containing 98.2 to 98.4% helium is then left.

COLUMBIA Caustic Soda itself enjoys similar degrees of purity. Known throughout industry as a 98-100% product it is a favorite with users who insist on uniform highest quality. So, too, are other COLUMBIA products, which have set the standard for quality. Thus, important raw materials help to maintain high quality standard in finished products in the glass, paper, chemical, soap, textile, food or drug industries.

COLUMBIA

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • • •
MODIFIED SODAS • LIQUID CHLORINE • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
BARBERTON, OHIO
NEW YORK • CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI • CLEVELAND • MINNEAPOLIS • PHILADELPHIA

Soda Nitrite—Wax Candelilla

Soda, nitrite, 96-98%, dom., bbls., c.l., wks, frt. equalized, lb. .09¾- —
c.l., West Coast, f.o.b. ports..lb. .09 - —
l.c.l. .....lb. .09¾- .11¼
Soda nitrite l.c.l price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l. works.....lb. .15¾- —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 4.53 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls., c.l., works..100 lbs. 4.73 - —
l.c.l., works .....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works.....10w lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .09½- —
contracts .....lb. .09 - —
smaller lots.....lb. .09¾- —
contracts .....lb. .09¼- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .53 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.80 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.85 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .04 - .04¼
import, bbls.....lb. .03½- .04
Stannate, dms. .....lb. .32 - .35
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.. 100 lbs. 3.00 - —
solid, bbls., l.c.l., 5 tons or over, dlvd..100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .29
Sulphocyanide, dms., cns....lb. .36 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs.....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .29 - —
Sorbitol, com'l, solut., dms.. c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works .....lb. .12 - —
Spartеine sulphate, cns.... ...a. 1.00 - 1.05
Spearmint leaves, bls.....lb. .18 - .19
Spikenard root, bls.....lb. .11 - .12
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .11 - .12
Squill, red, bls.....lb. .14 - .15
white, bls. .....lb. .06½- .07
powd., bbls., bxs.....lb. .13 - —
St. Ignatius beans, bgs.....lb. .40 - .42
St. John's bread, edible, bls., lb. .07 - .07½
inedible, bls. .....lb. .05 - .06
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.40 - 2.70
dlvd., N. Y.....100 lbs. 2.75 - 2.95
powd., bgs., f.o.b. Chicago, 100 lbs. 2.50 - 2.70
dlvd., N. Y. .....100 lbs. 2.85 - 3.05
Potato, dom., bgs.....lb. .04 - .05
import, bgs. .....lb. .05 - .06
Rice, bbls. .....lb. .06¼- .07¼
Wheat, thick boil, bgs.....lb. .05 - —
Staveacre seed, bgs.....lb. .15 - .16
Stearin, oleo, bbls.....lb. .05½- .05¾
Stillingia root, bls.....lb. .07 - .07½
Stonecrop, bls.....lb. .07 - .07½
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .12 - .13
Seed, bgs.....lb. .09 - .10
Strontium bromide, 88, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .20 - —
25-lb. bxs.....lb. .25 - —
100-lb. kgs.....lb. .22 - —
tech., 99-100 pc., precip., bbls., lb. .16½- .17¼
Chloride, bbls..... .....lb. .11 - .12¼
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.55 - —
Strontium, nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¾- —
1-24 bbls. and over.....lb. .09¾- —
Strophanthus seed, Kombe, bgs.lb. 1.25 - 1.30
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .66 - —
Asenate, 25-oz., cns., 100-oz. lots..oz. .68 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .66 - —
Glycerophosphate, 25 - oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .66 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - -
Nitrate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .22 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb., bots....lb. 1.40 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs. .....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, f.o.b. cars, mines, contracts....long-ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract..long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia ports, bulk, contract.. long ton.22.00 - —
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.35 - —
l.c.l., bgs., works...100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.55 - —
bbls., works.....100 lbs. 3.20 - —
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
rubber maker's, com'l., 99½%, c.l. frt., alid..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alid..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 2.90 - —
Precip. USP bbls.....lb. .17 - .22
Sumac, grd., Sicilian, bls....ton.65.50 - —
leaf, bls.....ton.68.00 - —
Extract, 42°, bbls.....lb. .05¼- —
61°, bbls.....lb. .06½- —
stainless, bbls.....lb. .08½- .08¾
Sunflower seed, Calif., large, bgs., lb. .05¾- .06¼
medium, bgs. .....lb. .04¾- .05¼
poultry, bgs.....lb. .03¾- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Baltо. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balte..unit-ton. .78 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills, ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose .....lb. .04⅝- —
special, loose .....lb. .04½- .70
vegetable, ship, cs.....lb. .06½ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l., lb. .05⅝- —
l.c.l. .....lb. .06⅜- —
50% (48% fat), dms., c.l..lb. .05⅞- —
l.c.l. .....lb. .06⅞- —
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.80 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 2.75 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f., ports, Aug., shipt. unit-ton. 3.00 & .10
Tansy leaves, bls.....lb. .17 - .18
Tapioca flour, bgs.....lb. .02½- .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .23 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .85 - .87
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾- —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .40 - —
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .44
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., wks..lb. 5.00 - 7.00
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .10¼- .10½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs. .....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .45½- .46
Crystals, bbls., kgs.....lb. .38 - .38½
Metal, Straits .....lb. .4800- —
Oxide, bbls. .....lb. .52 - .54
Tetrachloride, anhyd., bbls..lb. .24½- —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd. lb. .13¼- —
Pac. Cst., ex whse..lb. .13½- —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., wks...100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
1,000-9,999 lbs., E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs. E. frt. pd. lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd lb. .13¼- —
l.c.l., 5 tons, E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .16 - —
l.c.l., 5 tons, frt. pd....lb. .16¼- —
1,000-9,999 lbs., frt. pd.lb. .16½- —
50-999 lbs., frt. pd....lb. .16¾- —
Under 50 lbs., frt. pd..lb. .19 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼- —
l.c.l., 5 tons, E. frt. pd..lb. .16½- —
Pac. Cst., ex whse..lb. .16½- —
1,000-9,999 lbs., E. frt. pd....lb. .16¾- —
Pac. Cst., ex whse..lb. .16¾- —
50-999 lbs., E. frt. pd., lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
barium, calcium, or magnesium base, c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .45 - .46
Tolidin base, distilled, kgs....lb. .80 - —
Tolu, balsam, cns.....lb. .45 - .46
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, NF, bls.....lb. .26 - .28
root, bls. .....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works .....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Trichlorethylene, Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
500 lbs., dlvd.....lb. .37½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
Tripoli, double grd., bgs., c.l., works..ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.40 - 2.60
Chem. grade, kgs.....lb. 1.75 - 1.85
Turmeric root, Alleppey, bgs..lb. .06 - .06½
Madras, bgs. .....lb. .06¾- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .29¼ - —
l.c.l., 10 ex dock.....gal. .31¼- —
5 ex dock.....gal. .33¼- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .23 - .25
tanks, dlvd. E. cities....gal. .19 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
Urea nitrogen, dom., 42% N_2, bulk, Aug., shpt., f.o.b. Belle, W. Va. .....ton.54.90 - —
imported, 40% N_2, bgs., July-Aug.-Sept. shipt. .....ton.53.30 - —
30% N_2, bgs., July-Aug.-Sept. shipt...ton.40.35 - —
Uva ursi leaves, bls.....lb. .07 - .08

V

Valerian root, bls.....lb. .12 - .13
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.27.00 -29.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 5.50 - 6.00
Mexican, tins .....lb. 5.50 - 6.00
cuts, tins .....lb. 5.25 - 5.50
South American, tins.....lb. 5.25 Nom.
oleoresin, bots. .....lb. 9.65 -16.50
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .37 - .38
tree .....lb. .19 - .22
Wattle bark, bgs., shipt.....ton.34.50 -38.00
Extract, solid, bags.....lb. .04 - —
Wax, bayberry, import, bgs...lb. .25 - .26
Bees, white, bleach, slabs, cs., 5 case lots..lb. .33 - —
1 cs., lots. .....lb. .34 - —
cakes, 5 cs., lots.....lb. .34 - —
1 cs., lots. .....lb. .35 - —
discs, 5 cs., lots.....lb. .35 - —
1 cs., lots.....lb. .36 - —
yellow, crude, Africa, bgs., lots of 10.....lb. .19½- .20
1 bg.....lb. .20 - .20½
Brazil, bgs., 5-10 ton lots, lb. .22½- .23
1 ton.....lb. .23 - .23½
500 lbs. .....lb. .23½- .24
100 lbs.....lb. .24 - .24½
refd., slabs, cs., lbs.....lb. .25½- .31⅜
Candelilla, bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16 - .16½

Wax, carnauba, No. 3, chalky, bgs., 1 ton..lb. .29 - .29½
5 bgs.....lb. .29½- .30
1 bg.....lb. .30 - .30½
N. C. 2, bgs.....lb. .35 - .35½
N. C. 3, bgs., 1 ton.....lb. .30 - .31
5 bgs.....lb. .30½- .31½
1 bg.....lb. .31 - .32
refined, bgs.....lb. .34 - .35
yellow, No. 1, bgs., 1 ton..lb. .41 - .42
5 bgs.....lb. .41½- .42½
1 bg.....lb. .42 - .43
No. 2, bgs.....lb. .40 - .41
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .12½- .18
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .11⅝
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .85 Nom.
74°-76° C., bgs.....lb. .88 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs.....lb. .19 - .22
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots...lb. 1.89 - —
dms., 50 lbs.. or more...lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works.....ton.15.60 -16.50
Paris, white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works .....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l. same basis.....ton. 6.25 - —
Whiting, Limestone, gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
Whiting, limestone, gilders, extra, bgs., l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .07½- .08
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs....lb. .07 - .08
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .33 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
Yellow, cadmium, sulphide, orange, bbls., works..lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.27 - —
primrose shade, bbls., same basis, chrome..lb. 1.78 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .06½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .03 - —
D, bbls., works.....lb. .01?5- —
E, bbls., works.....lb. .01??5- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01?5- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02?7?- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia for import..lb. .02¾- —
ex dock, San Pedro, San Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02?7?- —
New York .....lb. .03½- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle...lb. .06½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02?3?- —
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03¾- —
New York.....lb. .03¾- —
Pittsburgh .....lb. .06½- —
Portland, Seattle.....lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02¾- —
from whse. .....lb. .02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .04¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza) bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .07½- .08
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .83 - —
Dust, bbls., c.l., dlvd.....lb. .0660- —
l.c.l., bbls., dlvd.....lb. .0710- —
Zinc fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, comml., lead free, bgs., c.l., dlvd..lb. .06½- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07?5
Zinc, oxide, pigment, dom., Amer., process comml., lead free, l.c.l., ex whse., Pac. cst., lb. .06½- .07?5
bbls., c.l., dlvd.....lb. .06½- .07?5
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
5% bgs., c.l., dlvd., lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
35%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06½- —
bbls., c.l., dlvd...lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
Pac. cst.....lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
ex whse., Pac. cst...lb. .0631- —
bbls., c.l., dlvd....lb. .0631- —
l.c.l., dlvd., except Pac. cst..lb. .0656- —
ex whse., Pac. cst.lb. .0656- —
Zinc oxide, pigment, dom., French process, comm'l, leads free, bgs., c.l., dlvd.lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse.lb. .10 - —
white seal, cks., ex whse.. lb. .11 - .12½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .28 - .36
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., cns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs...lb. .23 - —
U.S.P., bbls.....lb. .21 - .28
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.95 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, pigment, barium, calcium, or magnesium base, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l. 20) bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
Sulphocarbolate, NF, bbls....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, rgd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn dms., lots of 10, works. lb. .10 - —
single dms., works.....lb. .12 - —
5 gal. cans, works.....lb. .17 - —
Arcolors, distilled, dms., c.l., works..lb. .22 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, dispersion resins, BK, 3962, XE 6791, dms., 30,000 lbs., works..lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs.. works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs, works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, ams., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .29 - —
5,000 lbs., works...lb. .30 - —
2087, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3360, " bbls., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works...lb. .39 - —
5,000 lbs., works....lb. .40 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works..lb. .41 - —
5,000 lbs., works....lb. .42 - —
3862, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works..lb. .43½- —
5,000 lbs., works....lb. .44½- —
3900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works..lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works....lb. .25 - —

Wax, Carn.—Syn. Resin, Beck.

Bakelite, XR, 9517, dms., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works..lb. .33 - —
5,000 lbs., works..lb. .34 - —
drums, works....lb. .35 - —
10282, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works..lb. .36 - —
5,000 lbs., works..lb. .37 - —
drums, works.....lb. .38 - —
modified, BR, 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2073, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2983, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .190 - —
2451, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22¼- —
5,000 lbs., works.....lb. .23 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. 14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .10 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11 - —
P-147, dms., 1-9, frt. pd....lb. .12 - —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elisabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads, carload prices listed above apply on shipments by water from Elisabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .14 - —
P-138, dms., 1-9, frt. pd....lb. .20½- —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, dark, dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.....lb. .17½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .10½- —
1501, dms., 1-9, frt. pd.....lb. .11½- —
Solid, 1, dms., 1-9, frt. pd....lb. .21 - —
3, dms., 1-9, frt. pd.....lb. .22 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .21 - —
19, dms., 1-9, frt. pd.....lb. .24 - —
24, dms., 1-9, frt. pd.....lb. .30 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .21 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .17½- —
1319, dms., 1-9, frt. pd..lb. .17½- —
1321, dms., 1-9, frt. pd..lb. .16½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .12½- —
1304, dms., 1-9, frt. pd..lb. .12½- —
1320, dms., 1-9, frt. pd..lb. .13 - —
1325, dms., 1-9, frt. pd..lb. .12 - —
1328, dms., 1-9, frt. pd..lb. .11 - —
1329, dms., 1-9, frt. pd..lb. .10 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd. lb. .11½- —
2, dms., 1-9, frt. pd.....lb. .11 - —
1316, dms., 1-9, frt. pd...lb. .12½- —
1326, dms., 1-9, frt. pd...lb. .12 - —
pure alkyd, 1306, dms., 1-9, frt. pd..lb. .11½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd..lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .13½-
1313, ex. lt., dms., 1-9, frt. pd..lb. .
light, dms., 1-9, frt. pd.lb
1318, dms., 1-9, frt. pd.
1323, ex. lt., dms., 1-
light, dms., 1-9
1324, dms., 1-9,
1331, dms., 1-9, fr
1332, dms., 1-9, frt.
1333, dms., 1-9, frt. p
1334, dms., 1-9, frt. pd.

Soda Nitrite—Wax Candelilla

Soda, nitrite, 96-98%, dom., bbls., c.l., wks, frt. equalized,	lb.	.06¾-	—
c.l., West Coast, f.o.b. ports	lb.	.08 -	—
l.c.l.	lb.	.08¾-	.11¼
Soda nitrite l.c.l price range represents delivery at various points.			
Oxalate, neut., bbls.	lb.	.09 -	—
kgs.	lb.	.10 -	.11
Perborate, N.F., bbls., c.l., works.	lb.	.14¾-	—
l.c.l., works	lb.	.15¼-	—
Phosphate, dibasic, anhyd., bgs., c.l., works.	100 lbs.	4.53 -	—
l.c.l., works	100 lbs.	5.51 -	—
bbls., c.l., works.	100 lbs.	4.73 -	—
l.c.l., works	100 lbs.	5.71 -	—
cryst., tech., bgs., c.l., works.	100 lbs.	1.85 -	—
l.c.l., works	100 lbs.	2.25 -	—
bbls., c.l., works.	100 lbs.	2.05 -	—
l.c.l., works	100 lbs.	2.45 -	—
monobasic, anhyd., bgs., c.l., works.	100 lbs.	7.25 -	—
l.c.l., works	100 lbs.	8.00 -	—
bbls., c.l., works.	100 lbs.	7.45 -	—
l.c.l., works	100 lbs.	8.20 -	—
tribasic, bgs., c.l., works	100 lbs.	2.00 -	—
l.c.l., works	100 lbs.	2.40 -	—
bbls., c.l., works.	100 lbs.	2.20 -	—
l.c.l., works	100 lbs.	2.60 -	—
kgs., c.l., works	100 lbs.	2.70 -	—
l.c.l., works	100 lbs.	3.10 -	—
USP (dibasic), bbls., works,	lb.	.09 -	.11
dried, bbls., dms., works.	lb.	.11½-	.14
Picramate, kgs.	lb.	.65 -	—
Prussiate, yellow, bbls., 10,000 lbs. or more.	lb.	.09½-	—
contracts	lb.	.09 -	—
smaller lots	lb.	.09¾-	—
contracts	lb.	.09¼-	—
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.	100 lbs.	5.10 -	—
l.c.l., same basis.	100 lbs.	5.85 -	5.90
bbls., c.l., wks., frt. equalized.	100 lbs.	5.30 -	—
l.c.l., same basis.	100 lbs.	5.55 -	5.80
Ricinoleate, tech., bbls.	lb.	.12 -	—
Sal, bgs., divd., N. Y.	100 lbs.	1.20 -	—
works	100 lbs.	1.00 -	—
bbls., divd. N. Y.	100 lbs.	1.30 -	—
works	100 lbs.	1.10 -	—
Salicylate, bxs.	lb.	.52 -	—
Sesquisilicate, dms., c.l., works,	100 lbs.	3.00 -	—
20 dms., and up, divd. N.Y.C.	100 lbs.	3.05 -	—
5-19 dms	100 lbs.	4.10 -	—
1-4 dms.	100 lbs.	4.30 -	—
Silicate, 40° turbid., dms., c.l., works.	100 lbs.	.80 -	—
l.c.l., 5 or more, works,	100 lbs.	1.08 -	—
1-4, works	100 lbs.	1.20 -	—
52°, dms., c.l., works.	100 lbs.	1.40 -	—
l.c.l., 5 or more, works,	100 lbs.	1.65 -	—
1-4, works	100 lbs.	1.80 -	—
Silicofluoride, dom., bbls.	lb.	.04 -	.04¼
import, bbls.	lb.	.03½-	.04
Stannate, dms.	lb.	.32 -	.35
Stearate, lump, powd., bbls., works.	lb.	.19 -	.24
Sulphate, anhyd., bgs., bbls., c.l., works.	100 lbs.	1.45 -	1.65
5 tons or over, works,	100 lbs.	1.70 -	1.90
less than 5 tons, works,	100 lbs.	1.95 -	2.15
cryst. (see Glauber's salt).			
Sulphide, cryst., bbls., c.l., works.	100 lbs.	2.25 -	—
l.c.l., 5 tons or over, divd.,	100 lbs.	2.75 -	—
less than 5 tons, divd.,	100 lbs.	3.00 -	—
solid, bbls., c.l., works.	100 lbs.	3.00 -	—
solid, bbls., l.c.l., 5 tons or over, divd.	100 lbs.	3.50 -	—
less than 5 tons, divd.,	100 lbs.	3.75 -	—
Sulphite, cryst., bgs., 100 lbs., works.	lb.	2.10 -	2.35
bbls.	100 lbs.	2.30 -	2.55
powd., bbls., c.l.	100 lbs.	5.25 -	—
l.c.l., 5 or more	100 lbs.	5.50 -	—
1-4	100 lbs.	6.00 -	—
Sulphocarbolate, cs.	lb.	.27 -	.29
Sulphocyanide, dms., cns.	lb.	.26 -	.47
Sulphoricinoleate, bbls.	lb.	.12 -	—
Thiosulphate (see hyposulphite).			
Tungstate, CP, kgs.	lb.	1.75 -	1.85
tech., kgs.	lb.	1.05 -	1.10
Solvent, high-flash, dms., works, frt., equald.	gal.	.31 -	—
tanks, same basis	gal.	.26 -	—
naphtha, solvent, dms., works,	gal.	.31 -	—
tanks, E. of Omaha, frt., alld.	gal.	.26 -	—
W. coast, f.o.b., Minnequa, Colo.	gal.	.26 -	—
Sorbitol, com'l, solut., dms., c.l., works.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
Soybean protein, bgs., c.l., works,	lb.	.11½-	—
l.c.l., works	lb.	.12 -	—
Sparteine sulphate, cns.	oz.	1.00 -	1.05
Spearmint leaves, bls.	lb.	.18 -	.19
Spikenard root, bls.	lb.	.11 -	.13
Spruce extract, reg., bbls., c.l., works.	lb.	.01¾-	—
tanks, works	lb.	.01½-	—
powd., super, bgs, c.l., works.	lb.	.04 -	—
super, bbls., c.l., works.	lb.	.01¾-	—
tanks, works	lb.	.01¼-	—
Squawvine leaves, bls.	lb.	.11 -	.12
Squill, red, bls.	lb.	.14 -	.15
white, bls.	lb.	.06½-	.07
powd., bbls., bxs.	lb.	.13 -	—
St. Ignatius beans, bgs.	lb.	.40 -	.42
St. John's bread, edible, bls.,	lb.	.07 -	.07½
inedible, bls.	lb.	.05 -	.06
Starch, corn, pearl, bgs., f.o.b. Chicago.	100 lbs.	2.40 -	2.70
divd., N. Y.	100 lbs.	2.75 -	2.95
powd., bgs., f.o.b. Chicago.	100 lbs.	2.50 -	2.70
divd., N. Y.	100 lbs.	2.85 -	3.05
Potato, dom., bgs.	lb.	.04 -	.05
import, bgs.	lb.	.05 -	.06
Rice, bbls.	lb.	.06¼-	.07¼
Wheat, thick boil, bgs.	lb.	.05 -	—
Stavesacre seed, bgs.	lb.	.15 -	.16
Stearin, oleo, bbls.	lb.	.05½-	.05¾
Stillingia root, bls.	lb.	.07 -	.07½
Stoneroot, bls.	lb.	.07 -	.07½
Storax, cs.	lb.	.48 -	.49
Stramonium leaves, bls.	lb.	.12 -	.13
Seed, bgs.	lb.	.09 -	.10
Strontium bromide, fib, dms.	lb.	.57 -	.66
kgs., 150 lbs.	lb.	.53 -	—
Carbonate, N.F., IV, 250-lb. bbls.	lb.	.30 -	—
25-lb. bxs.	lb.	.35 -	—
100-lb. kgs.	lb.	.33 -	—
tech., 90-100 pc., precip., bbls.,	lb.	.16½-	.17¼
Chloride, bbls.	lb.	.11 -	.12¼
Iodide, bots., 5 lbs.	lb.	2.90 -	—
jars, 25 lbs.	lb.	2.55 -	—
Strontium, nitrate, dom., bbls., c.l., works.	lb.	.07¾-	—
25 bbls. and over	lb.	.08¾-	—
1-24 bbls. and over	lb.	.09¾-	—
Strophanthus seed, Kombe, bgs.	lb.	1.25 -	1.30
Styralyl acetate, bots.	lb.	6.75 -	7.00
Strychnine, cryst., cns., 100-oz. lots.	oz.	.50 -	—
powd., cns., 100-oz. lots.	oz.	.40 -	—
Acetate, 25-oz. cns., 100-oz. lots.	oz.	.66 -	—
Asenate, 25-oz., cns., 100-oz. lots.	oz.	.62 -	—
Arsenite, 25-oz. cns., 100-oz. lots.	oz.	.66 -	—
Glycerophosphate, 25-oz. cns., 100-oz. lots.	oz.	.67 -	—
Hydrochloride, 25-oz. cns., 100-oz. lots.	oz.	.66 -	—
Hypophosphite, 25-oz. cns., 100-oz. lots.	oz.	.77 -	—
Nitrate, 25-oz. cns., 100-oz. lots.	oz.	.60 -	—
Phosphate, 25-oz. cns., 100-oz. lots.	oz.	.67 -	—
Sulphate, cryst., cns., 100-oz. lots.	oz.	.42 -	—
powd., cns., 100-oz. lots,	oz.	.32 -	—
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.	lb.	.45 -	—
tech., bbls., l.c.l., works.	lb.	.40 -	—
Sugar coloring, bbls.	gal.	.70 -	1.10
Milk, bbls., c.l.	lb.	.15 -	—
l.c.l., 10 or over	lb.	.16 -	—
less than 10	lb.	.17 -	—
Sulfanilamide, 5 lb., bots.	lb.	1.40 -	—
fib., dms., 1,000 lbs., 1 delivery,	lb.	1.00 -	—
100 lbs.	lb.	1.05 -	—
Sulphonethylmethane, kgs.	lb.	6.75 -	6.80
Sulphonmethane, kgs.	lb.	5.25 -	5.80
Sulphur, crude, bulk, f.o.b. cars, mines, contracts.	long-ton.	16.00 -	—
f.o.b. steamers, Gulf ports, contract.	long ton.	17.50 -	—
ex vessels, Atlantic seaboard, contract.	long ton.	20.50 -	—
Puget Sound, Columbia River, and British Columbia parts, bulk, contract.	long ton.	22.00 -	—
flowers, bgs., c.l., works.	100 lbs.	3.00 -	—
l.c.l., works	100 lbs.	3.35 -	—
l.c.l., bgs., works.	100 lbs.	3.35 -	3.75
bbls., works	100 lbs.	3.70 -	4.10
refined, broken, bgs., c.l., works,	100 lbs.	2.15 -	—
bbls., works	100 lbs.	2.30 -	—
l.c.l., bgs., works.	100 lbs.	2.50 -	2.90
bbls., works	100 lbs.	2.65 -	3.05
flour, comm'l, bgs., c.l., works.	100 lbs.	1.90 -	—
bbls., c.l., works.	100 lbs.	1.95 -	—
l.c.l., bgs., works.	100 lbs.	1.95 -	2.35
bbls., works	100 lbs.	2.30 -	2.70
extra fine, bgs., c.l., works,	100 lbs.	2.85 -	—
bbls., works	100 lbs.	3.30 -	—
rock, virgin, bbls., c.l., works,	100 lbs.	2.15 -	—
l.c.l., bbls., works.	100 lbs.	2.50 -	2.90
roll, bgs., c.l., works.	100 lbs.	2.85 -	—
bbls., works	100 lbs.	3.50 -	—
l.c.l., bgs., works.	100 lbs.	2.70 -	3.10
bbls., works	100 lbs.	2.85 -	3.25
rubber maker's, com'l., 99½%, c.l. frt., alld.	100 lbs.	2.00 -	—
bbls., same basis, c.l.	100 lbs.	2.35 -	—
refined, 100%, bgs., c.l., frt. alld.	100 lbs.	2.35 -	—
bbls., same basis.	100 lbs.	2.70 -	—
Chloride, 55-gal. dms., c.l.	lb.	.03 -	—
l.c.l., dms., works.	lb.	.04 -	—
10-gal. dms., c.l.	lb.	.07 -	—
l.c.l.	lb.	.08 -	—
Dioxide, liq., com'l, cyls., works.	lb.	.07 -	.09
multi-unit cars, works.	lb.	.04½-	.07
tanks, works	lb.	.04 -	.05
refrigeration, cyls., works.	lb.	.16 -	.40
multi-unit cars, works.	lb.	.07½-	.10
Iodide, bots., jars	lb.	2.90 -	—
Precip., USP bbls.	lb.	.17 -	.22
Sumac, grd., Sicilian, bls.	ton.	65.50 -	—
leaf, bls.	ton.	68.00 -	—
Extract, 42°, bbls.	lb.	.05½-	—
51°, bbls.	lb.	.06½-	—
stainless, bbls.	lb.	.06½-	.08½
Sunflower seed, Calif., large, bgs.,	lb.	.05¾-	.06¼
medium, bgs.	lb.	.04¾-	.05¼
poultry, bgs.	lb.	.03¾-	.04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.	ton.	8.00 -	—
run-of-pile, basis 16%, bulk, same basis.	ton.	7.50 -	—
triple, 40-48%, a.p.a. bulk, f.o.b. Balto.	unit-ton.	.79 -	—

T

Talc, dom., Calif., 1, bgs., c.l., mills.	ton.	20.00 -	—
2, bgs., c.l., mills.	ton.	17.00 -	—
N. Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills,	ton.	14.00 -	—
l.c.l., mills.	ton.	16.00 -	—
96-98%, 325 mesh, bgs., c.l., mills.	ton.	15.00 -	—
l.c.l., mills.	ton.	17.00 -	—
98-99½%, 325 mesh, bgs., c.l., mills.	ton.	15.25 -	—
l.c.l., mills.	ton.	17.25 -	—
90.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	17.00 -	—
coarse, off color, bgs., c.l., mills.	ton.	11.00	18.00
Ohio, flake type, grd., bgs., c.l., mills.	ton.	21.00 -	—
l.c.l., mills.	ton.	24.50 -	—
Vermont, bgs., c.l., mills,	ton.	14.00 -	—
l.c.l., ex whse.	ton.	25.00 -	—
Canad., bgs., c.l., mills.	ton.	11.50	13.00
French, high-grade, bgs., l.c.l., ex whse.	ton.	45.00	60.00
ordinary, bgs., c.l., ex dock, arrival.	ton.	23.00	25.00
l.c.l., ex whse.	ton.	27.50	32.50
Italian, 1, bgs., ex dock, arrival,	ton.	65.00	67.00
ex whse.	ton.	85.00	—
2, bgs., ex dock, arrival.	ton.	60.00	62.00
Tallow, animal, edible.	lb.	.04¾	Nom.
extra, loose	lb.	.04¾-	—
special, loose	lb.	.04½-	—
vegetable, ship, cs.	lb.	.06½	Nom.
sulphonated, 35% (24% fat), dms., c.l.	lb.	.03¾-	—
l.c.l.	lb.	.04¾-	—
50% (43% fat), dms., c.l.,	lb.	.05¾-	—
l.c.l.	lb.	.06¾-	—
50% (48% fat), dms., c.l.	lb.	.05¾-	—
l.c.l.	lb.	.06¾-	—
Tamarind, W. I., bbls.	lb.	.05 -	.05½
kegs	keg.	5.00 -	5.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk.	unit-ton.	2.80 &	.10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk.	unit-ton.	2.75 &	.10
10-11% ammon., 15% b.p.l., bulk, Chicago.	unit-ton.	2.50 &	.10
high-grade feeding, bulk, Chicago.	unit-ton.	3.00 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Aug., shipt.	unit-ton.	3.00 &	.10
Tansy leaves, bls.	lb.	.17 -	.18
Tapioca flour, bgs.	lb.	.02¼-	.04
Tar acid oil, 15%, dms., c.l., works.	gal.	.21 -	—
l.c.l., same basis	gal.	.23 -	—
25%, dms., c.l., works.	gal.	.25 -	—
l.c.l., same basis	gal.	.27 -	—
Tar, pine, retort, dms., c.l., divd. E. cities.	gal.	.26 -	—
ports	gal.	.29 -	—
l.c.l.	gal.	.26 -	—
tanks, divd. E. cities	gal.	.20 -	—
Tarragon herb, bgs.	lb.	.85 -	.87
Tartar emetic, tech., fine gran., bbls., 5 or more.	lb.	.27¾-	—
less than 5	lb.	.28 -	—
powd., bbls., 5 or more.	lb.	.27¾-	—
less than 5	lb.	.28 -	—
USP, powd., bbls.	lb.	.33 -	.33½
Terebene, cans.	lb.	.70 -	—
Terpinyl acetate, cns.	lb.	.77 -	.88
Terpin hydrate, kgs.	lb.	.45 -	.48
Terpineol, CP, cns.	lb.	.25 -	—
dms.	lb.	.23 -	—
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17 -	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., works.	lb.	.08 -	.08½
Tetrachloroethylene, CP, dms.	lb.	.21½-	—
tech. (see Perchloroethylene).			
Tetralin, dms.	lb.	.12 -	—
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., wks.	lb.	5.00 -	7.00
Theobromine, cns.	lb.	2.10 -	2.40
Sodiosalicylate, cns.	lb.	1.75 -	1.85
5-lb. bots.	lb.	2.01 -	—
Thiocarbanilide, dms.	lb.	.24 -	—
Thorium nitrate, es., works.	lb.	2.00 -	—
Thyme, French, bls.	lb.	.10¼-	.10½
Thymol, dms., 100 lbs.	lb.	1.40 -	—
cns., 25 lbs.	lb.	1.45 -	—
Iodide, kgs., 50 lbs.	lb.	3.25 -	3.30
25 lbs.	lb.	3.35 -	3.40
Timbo root, powd., 4% rotenone, bbls.	lb.	.18 -	.26
5% rotenone, bbls.	lb.	.22 -	.30
Tin chloride (ous), anhyd.	lb.	.45½-	.46
Crystals, bbls., kgs.	lb.	.38 -	.38½
Metal, Straits	lb.	.4860-	—
Oxide, bbls.	lb.	.52 -	.54
Tetrachloride, anhyd., bbls.	lb.	.24¼-	—
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd.	lb.	.13 -	—
l.c.l., 5 tons, E. frt. pd.	lb.	.13¼-	—
Pac. Cst., ex whse.	lb.	.13¼-	—
l.c.l., bgs., works.	100 lbs.	3.20 -	3.60
bbls., works	100 lbs.	3.55 -	3.95
heavy, bgs., c.l., wks.	100 lbs.	2.55 -	—
bbls., works	100 lbs.	2.90 -	—
l.c.l., bgs., works,	100 lbs.	2.90 -	3.30
bbls., works	100 lbs.	3.25 -	3.65
light, bgs., c.l., works	100 lbs.	2.85 -	—
bbls., works	100 lbs.	3.00 -	—
l.c.l., bgs., works,	100 lbs.	3.00 -	3.40
bbls., works	100 lbs.	3.35 -	3.75
1,000-9,999 lbs., E. frt. pd.	lb.	.13½ -	—
Pac. Cst., ex whse.	lb.	.13½-	—
50-999 lbs., E. frt. pd.	lb.	.13¾-	—
Pac. Cst., ex whse.	lb.	.13¾-	—
under 50 lbs. E. frt. pd.	lb.	.14 -	—
Pac. Cst., ex whse.	lb.	.14 -	—
bbls., c.l. (20 tons), frt. pd.	lb.	.13¼-	—
l.c.l., 5 tons, E. frt. pd.	lb.	.13½-	—
Pac. Cst., ex whse.	lb.	.13½-	—
1,000-9,999 lbs., E. frt. pd.	lb.	.13¾-	—
Pac. Cst., ex whse.	lb.	.13¾-	—
50-999 lbs., E. frt. pd.	lb.	.14 -	—
Pac. Cst., ex whse.	lb.	.14 -	—
chalk-resistant, bgs., c.l., (20 tons), frt. pd.	lb.	.16 -	—
l.c.l., 5 tons, frt. pd.	lb.	.16¼-	—
1,000-9,999 lbs., frt. pd.	lb.	.16½-	—
50-999 lbs., frt. pd.	lb.	.16¾-	—
Under 50 lbs., frt. pd.	lb.	.19 -	—
bbls., c.l. (20 tons), frt. pd.	lb.	.16¼-	—
l.c.l., 5 tons, E. frt. pd.	lb.	.16½-	—
Pac. Cst., ex whse.	lb.	.16½-	—
1,000-9,999 lbs., E. frt. pd.	lb.	.16¾-	—
Pac. Cst., ex whse.	lb.	.16¾-	—
50-999 lbs., E. frt. pd.,	lb.	.17 -	—
Pac. Cst., ex whse.	lb.	.17 -	—
barium, calcium, or magnesium base, c.l., D. frt. alld.,	lb.	.05¼-	—
l.c.l., divd.	lb.	.05½-	—
Pac. Cst., ex whse.	lb.	.05½-	—
under 50 lbs., E. divd.	lb.	.06¼-	—
bbls., c.l., D., frt. alld.	lb.	.05½-	—
l.c.l., E., divd.	lb.	.05¾-	—
Pac. Cst., ex whse.	lb.	.05¾-	—
under 50 lbs., E. divd.	lb.	.06½-	—
Tolidin base, distilled, kgs.	lb.	.86 -	—
Tolu, balsam, cns.	lb.	.45 -	.46
Tolidin base, distilled, kgs.	lb.	.80 -	—
Tolu, balsam, cns.	lb.	.45 -	.46
Toluidin, mixed, dms.	lb.	.26 -	—
Toluol (toluene), pure, dms., works.	gal.	.27 -	—
tanks, E. of Omaha, frt. alld.	gal.	.22 -	—
W. Coast, f.o.b. Minnequa, Colo.	gal.	.22 -	—
Nitration, dms., wks.	gal.	.28½-	—
tanks, E. of Omaha, frt. alld.	gal.	.23½-	—
Tonga vine, NF, bls.	lb.	.26 -	.28
root, bls.	lb.	.40 -	.41
Tonka beans, Angostura, cks.	lb.	2.35 -	2.40
Brazilian, Surinam, cs.	lb.	1.00 -	1.10
Triacetin, dms.	lb.	.26 -	—
Triamyl borate, dms., l.c.l., works.	lb.	.27 -	—
Triamylamine, dms., c.l., works,	lb.	.77 -	—
l.c.l., works	lb.	.78 -	.80
tanks	lb.	.75 -	—
Tributylamine, dms., c.l., works,	lb.	.67 -	—
l.c.l.	lb.	.68 -	.70
tanks	lb.	.65 -	—
Tributyl citrate, dms., l.c.l., divd.	lb.	.35 -	—
Phosphate, dms., l.c.l., divd.,	lb.	.42 -	—
cns., works	lb.	.46 -	.48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Trichlorethylene, Zone 3, dms., c.l., works, frt. alld.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd.	lb.	.40½-	.51½
dms., c.l., divd.	lb.	.34½-	—
500 lbs., divd.	lb.	.37½-	—
tech., dms., c.l.	lb.	.22 -	—
500 lbs., dms.	lb.	.22½-	—
less than 500 lbs.	lb.	.25½-	.36½
Triethanolamine, dms., c.l., works,	lb.	.19 -	—
l.c.l., works	lb.	.20 -	—
tanks, works	lb.	.18 -	—
Triethyl phosphate, dms., divd.,	lb.	.45 -	—
Triethyleneglycol, dms., l.c.l., works.	lb.	.26 -	—
Trimethyl phosphate, cns.	lb.	.54 -	.56
dms., divd.	lb.	.50 -	—
Trimethylamine, dms., c.l., divd.,	lb.	1.00 -	—
l.c.l., divd.	lb.	1.05 -	—
Triphenyl phosphate, dms.	lb.	.38 -	—
Tripoli, air-floated, bgs., c.l., works.	ton.	26.00 -	—
Tripoli, double grd., bgs., c.l., works.	ton.	16.00 -	—
once-grd., bgs., c.l., works.	ton.	14.50 -	—
Trisodium phosphate (see Soda phosphate, tribasic).			
Tungsten metal, powd., 99%, dms., works.	lb.	2.10 -	2.20
Oxide, CP, kgs.	lb.	2.40 -	2.60
Chem. grade, kgs.	lb.	1.75 -	1.85
Turmeric root, Alleppey, bgs.	lb.	.06 -	.06½
Madras, bgs.	lb.	.06¾-	.07
Turpentine, spirits, gum, bbls., c.l., ex dock.	gal.	.29¼ -	—
l.c.l., 10 ex dock	gal.	.31¼-	—
5 ex dock	gal.	.33¼-	—
wood dest., dist., dms., divd. E. cities, ports.	gal.	.23 -	.25
tanks, divd. E. cities.	gal.	.19 -	—
steam-dist., dms., c.l., divd.	gal.	.27 -	—
l.c.l., divd.	gal.	.30 -	—
tanks, divd.	gal.	.22 -	—

U

Unicorn root, false (see Helonias root). True (see Aletris root).			
Uranium oxide, black, kgs.	lb.	2.65 -	—
yellow, kgs.	lb.	1.75 -	—
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va.	ton.	95.00 -	—
smaller lots, f.o.b. Belle, W. Va.	ton.	95.00 -	—
f.o.b. N. Y.	ton.	101.00 -	—
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.	ton.	95.00 -	—
smaller lots, f.o.b. N. Y. from whse.	ton.	101.00 -	—
pure, cs.	lb.	.14½-	.15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports,	ton.	121.58 -	—
Urea nitrogen, dom., 42% N_2, bulk, Aug., shpt., f.o.b. Belle, W. Va.	ton.	54.90 -	—
imported, 40% N_2, bgs., July-Aug.-Sept. shipt.	ton.	53.30 -	—
30% N_2, bgs., July-Aug.-Sept. shipt.	ton.	40.35 -	—
Uva ursi leaves, bls.	lb.	.07 -	.08

V

Valerian root, bls.	lb.	.12 -	.13
Valonia, beards, bgs., shipt.	ton.	45.00 -	—
Cups, bgs., shipt.	ton.	27.00	29.00
extract, powdered, 65%.	lb.	.06 -	—
Vanilla beans, Bourbon, tins.	lb.	5.50 -	6.00
Mexican, tins	lb.	5.50 -	6.00
cuts, tins	lb.	5.25 -	5.50
South American, tins.	lb.	5.25	Nom.
oleoresin, bots.	lb.	9.65	16.50
Vanillin, ex eugenol, 25-lb. tins,	lb.	2.60 -	—
5-lb. tins	lb.	2.65 -	—
1-lb. tins	lb.	2.75 -	—
ex guaiacol, 25-lb. tins.	lb.	2.50 -	—
5-lb. tins	lb.	2.55 -	—
1-lb. tins	lb.	2.65 -	—
ex lignin, 25-lb. tins.	lb.	2.50 -	—
5-lb. tins.	lb.	2.55 -	—
1-lb. tins	lb.	2.65 -	—
Venice turpentine, true, cs.	lb.	.42 -	.44
Verdigris, bbls., kgs.	lb.	.22 -	.28
Vinyl acetate, cns., works.	lb.	.25 -	—
dms., c.l., 30,000 lbs., gross works.	lb.	.14 -	—
l.c.l., works	lb.	.15 -	—
5 gals., dms., works	lb.	.25 -	—
Violet, methyl, toner (see M).			
V.M.P. naphtha (see petroleum naphtha, v.m.p.).			

W

Wahoo bark, bls.	lb.	.37 -	.38
tree	lb.	.19 -	.22
Wattle bark, bgs., shipt.	ton.	34.50	38.00
Extract, solid, bags.	lb.	.04 -	—
Wax, bayberry, import, bgs.	lb.	.25 -	.26
Bees, white, bleach, slabs, cs., 5 case lots.	lb.	.33 -	—
1 cs., lots.	lb.	.34 -	—
cakes, 5 cs., lots.	lb.	.34 -	—
1 cs., lots.	lb.	.35 -	—
discs, 5 cs., lots.	lb.	.36 -	—
1 cs., lots.	lb.	.36 -	—
yellow, crude, Africa, bgs., lots of 10.	lb.	.19½-	.20
1 bg.	lb.	.20 -	.20½
Brazil, bgs., 5-10 ton lots,	lb.	.22½-	.23
1 ton.	lb.	.23 -	.23½
500 lbs.	lb.	.23½-	.24
100 lbs.	lb.	.24 -	.24½
refd., slabs, cs., lbs.	lb.	.25½-	.31½
Candelilla, bgs., 1 ton.	lb.	.15½-	.16
jobbing lots.	lb.	.16 -	.16½

Wax, carnauba, No. 3, chalky, bgs., 1 ton..lb. .29 - .29½
5 bgs.....lb. .29½- .30
1 bg.....lb. .30 - .30½
N. C. 2, bgs.....lb. .35 - .35½
N. C. 3, bgs., 1 ton.....lb. .30 - .31
5 bgs.....lb. .30½- .31½
1 bg.....lb. .31 - .32
refined, bgs.....lb. .34 - .35
yellow, No. 1, bgs., 1 ton..lb. .41 - .42
5 bgs.....lb. .41½- .42½
1 bg.....lb. .42 - .43
No. 2, bgs.....lb. .40 - .41

Ceresin, com., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton....lb. .10½- —
jobbing lots.....lb. .11½- —

Japan, cs.....lb. .12½- .13

Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .11⅝

Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .85 Nom.
74°-76° C., bgs.....lb. .88 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36

Paraffin (see P.).

Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs.....lb. .19 - .22

White lead (see Lead, white).

White pine bark, rossed, bls...lb. .06 - .06¼

White precipitate, powd., 5-lb. bots..lb. 1.89 - —
dms., 50 lbs.. or more...lb. 1.76 - —

Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works.....ton.15.60 -18.50
Paris, white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works .....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l. same basis.....ton. 6.25 - —
Whiting, Limestone, gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
Whiting, limestone, gilders, extra, bgs., l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .07½- .08
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs....lb. .07 - .08
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
Yellow, cadmium, sulphide, orange, bbls., works..lb. .75 - —
Chrome, CP, bbls., divt. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14¼- —
open order .....lb. .15¼- —
Chrome yellow CP prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.57 - —
primrose shade, bbls., same basis, chrome..lb. 1.78 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .06½- —
yellow, A, bbls., works...lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅝- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02½- —
Philadelphia for import..lb. .02½- —
ex dock, San Pedro, San Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02675- —
New York .....lb. .03½- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle...lb. .06½- —
San Pedro, S. Francisco..lb. .06 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03¾- —
New York.....lb. .03¾- —
Pittsburgh .....lb. .03½- —
Portland, Seattle....lb. .03¾- —
San Pedro, S. Francisco..lb. .06½- —
f.o.b. N. Y., from dock, lb. .02¾- —
from whse. .....lb. .02⅞- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .04¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .13 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xantroriza) bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .07½- .08
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12¼- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .0660- —
l.c.l., bbls., dlvd.....lb. .0710- —
Zinc fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, comml., lead free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
Zinc, oxide, pigment, dom., Amer., process comml., lead free, l.c.l., ex whse., Pac. cst., lb. .06½- .07⅝
bbls., c.l., dlvd....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
6% bgs., c.l., dlvd., lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
85% bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
bbls., c.l., dlvd...lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06½- —
60%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
Pac. cst.....lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
ex whse., Pac. cst....lb. .0631- —
bbls., c.l., dlvd....lb. .0631- —
l.c.l., dlvd., except Pac. cst..lb. .0656- —
ex whse., Pac. cst.lb. .0656- —
Zinc oxide, pigment, dom., French process, com'l, lead free, bgs., c.l., dlvd.lb. .06¾- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06¾- .07⅝
ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse.lb. .10 - —
white seal, cks., ex whse.. lb. .11 - .12½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .28 - .29
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs...lb. .23 - —
U.S.P., bbls.....lb. .21 - .28
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, pigment, barium, calcium, or magnesium base, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l. 20) bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
Sulphocarbolate, NF, bbls....lb. .24 - .30
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst...lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, rgd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn dms., lots of 10, works. lb. .10 - —
single dms., works.....lb. .12 - —
5 gal. cans, works.....lb. .17 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, dispersion resins, BK, 3962, XE 6791, dms., 30,000 lbs., works..lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, cms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1229, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .29 - —
5,000 lbs., works...lb. .30 - —
2987, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3360, * bbls., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works...lb. .39 - —
5,000 lbs., works....lb. .40 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works...lb. .41 - —
5,000 lbs., works....lb. .42 - —
6882, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works...lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works...lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works....lb. .25 - —

Wax, Carn.—Syn. Resin, Beck.

Bakelite, XR, 9517, dms., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works..lb. .33 - —
5,000 lbs., works..lb. .34 - —
drums, works....lb. .35 - —
10282, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works..lb. .36 - —
5,000 lbs., works..lb. .37 - —
drums, works.....lb. .38 - —
modified, BR, 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cms., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
2681, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —

Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. 14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .10 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11 - —
P-147, dms., 1-9, frt. pd....lb. .12 - —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads, carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .14 - —
P-138, dms., 1-9, frt. pd....lb. .20½- —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, dark, dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.....lb. .17½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .10½- —
1501, dms., 1-9, frt. pd.....lb. .11½- —
Solid, 1, dms., 1-9, frt. pd....lb. .21 - —
3, dms., 1-9, frt. pd.....lb. .22 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .21 - —
19, dms., 1-9, frt. pd.....lb. .24 - —
24, dms., 1-9, frt. pd.....lb. .30 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .21 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .17½- —
1319, dms., 1-9, frt. pd..lb. .17½- —
1321, dms., 1-9, frt. pd..lb. .16½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .12½- —
1304, dms., 1-9, frt. pd..lb. .12½- —
1320, dms., 1-9, frt. pd..lb. .13 - —
1325, dms., 1-9, frt. pd..lb. .12 - —
1328, dms., 1-9, frt. pd..lb. .11 - —
1329, dms., 1-9, frt. pd..lb. .10 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd. lb. .11½- —
2, dms., 1-9, frt. pd.....lb. .11 - —
1316, dms., 1-9, frt. pd...lb. .12½- —
1326, dms., 1-9, frt. pd...lb. .12 - —
pure alkyd, 1306, dms., 1-9, frt. pd..lb. .11½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .13½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .12½- —
light, dms., 1-9, frt. pd.lb. .11½- —
1318, dms., 1-9, frt. pd..lb. .15½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1324, dms., 1-9, frt. pd....lb. .24½- —
1331, dms., 1-9, frt. pd....lb. .12½- —
1332, dms., 1-9, frt. pd....lb. .11½- —
1333, dms., 1-9, frt. pd....lb. .13½- —
1334, dms., 1-9, frt. pd....lb. .13½- —

Beckosol—Pliolite

Beckosol, pure alkyd., P-7, dms., 1-9, frt. pd..lb. .14½- —
P-48, dms., 1-9 frt. pd...lb. .12½- —
P-94, dms., 1-9, frt. pd...lb. .15½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-3, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
MS, dms., works.....lb. .10 - —
Cumar, P, 10°-99° C., col. S and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ⅛, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald, with Pittsburgh; prices on contracts terminating June, 1939, are ¼c. per pound lower.

D

Durez, 202, dms., 30,000 lbs., works..lb. .40 - —
l.c.l., works .....lb. .41 - —
210, dms., 30,000 lbs., works.lb. .14½- —
l.c.l., works.....lb. .15 - —
220, dms., 30,000 lbs., works..lb. .15 - —
l.c.l., works.....lb. .15½- —
500, dms., 30,000 lbs., works, lb. .32 - —
l.c.l., works .....lb. .33 - —
525, dms., 30,000 lbs., works, lb. .24 - —
l.c.l., works .....lb. .26 - —
550, dms., 30,000 lbs., works, lb. .29 - —
l.c.l., works .....lb. .30 - —
Durez, 570, dms., 30,000 lbs., works..lb. .44 - —
l.c.l., works.....lb. .45 - —

Durez c.l. prices also apply on mixed cars; three-month contracts are for price protection only; for Pacific Coast and Gulf points, ex warehouse, add 3c. per lb.

Durite, 1,301 pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

G

G, resin, dms., gross weight, works..lb. .07 - —

G resin prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Gual-a-phene, 10-gal. cns., works, gal. 2.37 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms., lots of 10, works. lb. .15 - —
single dms., works.....lb. .17 - —
cans, works.....lb. .22 - —

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. cst., ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. cst., ex whse.....lb. .07 - —
Katalised oil, 666, dms., c.l., frt. pd..lb. .16 - —
l.c.l., frt. pd.....lb. .16½- —
667, dms., c.l., frt. pd.....lb. .11 - —
l.c.l., frt. pd.....lb. .11½- —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .13½- —
501, dms., 1-9, frt. pd.....lb. .11½- —
502, dms., 1-9, frt. pd.....lb. .11 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .07 - —
l.c.l., frt. pd.....lb. .07½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

N

Nevillac, dms., works.....lb. .17 - —

Nevillac prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Neville resin, R-1 nevindene, col. ¼, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works. lb. .12 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col., 2½-3½ dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .13 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
R-16, medium, col. 2½-4 dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. 11½. —
R-29, medium soft, col. 2½-8, dms., works..lb. .10½- —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, "V", water-white, 100 lbs., dms., works..lb. 1.25 - —
No. 1, water-white, 100 lbs., dms., works..lb. .65 - —
No. 2, prime-white, 100 lbs., dms., works..lb. .55 - —
No. 3, very light straw, 100 lbs., dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —
No. 2, heavy, refd., dms., works..lb. .10 - —
465, 110-125°C, dms., gross weight, works..lb. .03 - —
Nevinol, dms., works.....lb. .13 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .0265- —
2, 100°-125° C., dms., gross weight, works.....lb. .0265- —

Nuba resin prices on contracts terminating December, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per **pound extra.**

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19¼- .21
6%, dms., same basis.....lb. .22½- .24½
8%, dms., same basis.....lb. .32½- .
10%, dms., same basis.....lb. .38½- .39½
cobalt 3%-lead 30%, dms., same basis..lb. .20 - —
zinc 10%, dms., same basis.lb. .22½- —
copper, 4%, dms., same basis. lb. .12 - —
6%, dms., same basis.....lb. .13 - .14
11%, dms., same basis.....lb. .17 - .18
iron, 4%, dms., same basis...lb. .11 - —
6%, dms., same basis.....lb. .12 - .13
10%, dms., same basis.....lb. .17 - .18
lead, 16%, dms., same basis..lb. .09½- .11½
24%, dms., same basis.....lb. .12 - .14
32%, dms., same basis.....lb. .16 - .
34%, dms., same basis.....lb. .17 - .18
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 2% (see Manganese).
Manganese, 4%, dms., same basis lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .18 - .
10%, dms., same basis.....lb. .20 - .21
manganese 2%—lead 30%, dms., same basis..lb. .17 - —
mercury, 25%, dms., same basis..lb. .55 - —
zinc, 5%, dms., same basis..lb. .13 - .
8%, dms., same basis.....lb. .13 - .15
12%, dms., same basis.....lb. .18 - .19
zinc 10%—cobalt 1% see (Cobalt).

P

Paradene, No. 1, 75-99°C, dms., gross wt., works..lb. .04 - —
2, 100-124°C, dms., gross wt., works..lb. .04 - —

Paradene prices on contract, terminating June, 1939, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

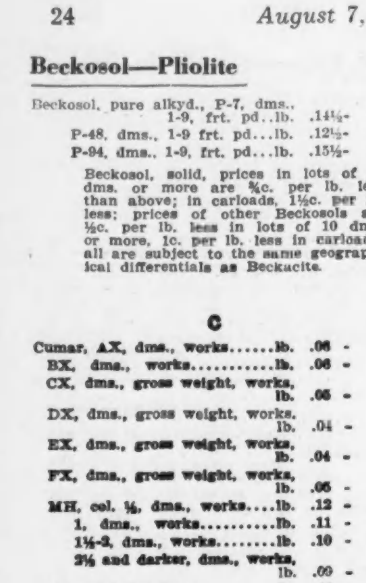
Pherester, color 3½-5, dms., works..lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works.lb. .66 - —
smaller lots, works.....lb. .69 - —

R

Resinous oil, No. XI, dms., works..lb. .019 - —

Ethocel
(DOW ETHYL CELLULOSE)

TEACHES FOUR NEW TRICKS TO LACQUER



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LOW TEMPERATURE FLEXIBILITY AND RESISTANCE TO COLD CHECK
SOLUBILITY IN MANY LOW-COST SOLVENTS
COMPATIBILITY WITH MANY PLASTICIZERS AND RESINS

These four features of ETHOCEL*, now combined in a single cellulose derivative, paint vivid new possibilities for lacquers in greater usefulness and ease of formulation.

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Super-Beck.—Vinylite

S

Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb.	.31	-	—
1003, dms., 1-9, frt. pd....lb.	.30	-	—
2000, dms., 1-9, frt. pd....lb.	.26	-	—
2050, dms., 1-9, frt. pd....lb.	.23	-	—
2667, dms., 1-9, frt. pd....lb.	.21	-	—
3000, dms., 1-9, frt. pd....lb.	.48	-	—
3005, dms., 1-9, frt. pd....lb.	.45	-	—

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c per lb. less, with exception of 3,000 and 3005 where 10 dms. are 1½c. less and carloads 3c.; prices subject same geographical differentials as beckacite.

Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.	35.00	-	—
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.	40.00	-	—

V

Vinylite, AYAA, AYAF, AYAT, dms., 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb.	.45	-	—
smaller lots, works.....lb.	.60	-	—
VYHF, dms., 200 lbs., works, lb.	.55	-	—
smaller lots, works.....lb.	.65	-	—
VYHH, dms., 200 lbs., works.lb.	.57	-	—
smaller lots, works.....lb.	.67	-	-
VYLF, dms., 200 lbs., works.lb.	.55	-	—
smaller lots, works.....lb.	.65	-	—
VYRR, dms., 200 lbs., works.lb.	.65	-	-
smaller lots, works.....lb.	.66	-	—

Books You Can Use

Shellac Uses

Uses of Lac. By H. K. Sen and S. Ranganathan. Cloth; 78 pages, 5 by 7½ inches. Namkum, India: Indian Lac Research Institute.

Based on articles published in recent technical and scientific books, this work was prepared so as to present a review of the industrial application of shellac and to give information regarding the possibility of increasing the use of the material. It was not the intent of the authors to create a handbook for the specialist, but to endeavor to stimulate new ventures and researches on lac.

In subject matter the divisions of the volume discuss gramophone records, which is the most important industrial use of shellac; electrical insulating materials; protective and decorative finishes; the hat industry; sealing wax manufacture; grinding wheels; miscellaneous applications; and recent research developments in the field.

F.T.C. Hits Basing Point Delivered Prices

—*Continued from page 5*

a common freight rate to destination; cooperative calculation and circulation among the respondent producers of freight rates from the respective basing points to various destinations; agreement upon prices at meetings, and upon distribution by the respondent Covert of delivered price lists for use of the producers and agreement that the respondent producers would submit identical delivered prices, terms and sale conditions in sealed bids on invitations from city, State and Federal governments and would refuse to quote other than delivered prices.

The amended complaint also alleges that as a necessary result of the respondents' policies and practices—

1. Those of the respondent lime producers whose plants are not located at any basing point have frequently assessed and collected money from customers in the guise of freight charges but in amounts greater than the actual freight expense incurred and on sales made for local use they have assessed and collected such sums when no actual freight expense has been incurred.

2. The respective respondent lime producers have habitually and systematically charged and received more per unit of product from their customers located near their respective plants than from their customers located at greater distances and have thereby discriminated in price in bad faith in order to suppress price competition among the respondent lime producers.

It is alleged that for the purpose and with the effect of making more difficult the detection and prevention of their unlawful combinations, agreements and understandings, the respondents have destroyed documentary records and evidence of certain activities alleged in the complaint or have avoided compiling such records and evidence.

The respondents' agreements, understandings, policies and practices are alleged to have had the effect of depriving purchasers and consumers of the advantages of normal competition and of compelling unorganized purchasers to buy at artifically enhanced prices. Twenty days are allowed the respondents to answer the amended complaint.

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PHENOLIC RESINS

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Out of a Desire

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Glyptal Sales, Appliance and Merchandise Department, General Electric Co., Bridgeport, Conn.

GENERAL ELECTRIC

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Vol. 136 August 7, 1939 Number 6

Chemical Business Makes Further Gains

—*Continued from page 3*

3.1 percent larger than that for the first half of 1938. The increase in exports was quite small; but the trade as a whole showed an export balance of more than $120,000,000 for the six months.

Price movements during the quarter ranged from an advance of 2.6 percent in the average for botanicals to a reduction of 2.3 percent in textile and leather materials. The price average was advanced in five of the ten divisions; reduced in two; and unchanged at the end of the quarter in the remaining three. In comparison with averages at June 30, 1938, this year's prices were lower in eight divisions and higher in two. The largest upward difference was but 1.1 percent, in paint materials; the deepest sag was 10.4 percent in materials for the textile and leather industries.

The chemical, oil, and drug industries continued in their enviable position among the relatively largest employing industries and the best paying employers. Their employment condition was more than 20 percent better than that of manufacturing as a whole, and their payroll index was more than 39 percent higher. In both volume of employment and aggregate of payrolls these industries stood above their 1923-25 place. Manufacturing as a whole was down more than 9 percent in number of workers and more than 14 percent in total pay. Nevertheless, the chemical, oil, and drug business has been paying its owners at least fairly well, reported corporation incomes in this group in the first half of this year being 37.1 percent larger than those in the corresponding period in 1938.

The Outlook

At the close of the second quarter the sentiment discovered in the chemical, oil, and drug industries by the REPORTER'S survey was strongly of a rosier tint than that found a year before. Expectations were high with respect to the immediate future, and it was generally felt that the improvement that had become noticeable in business about two months earlier was actual and would continue. This belief has been borne out during the past month, and the fact has been remarkable that there has been no sign of a Summer slump. One reason for this is that almost everybody was so fully engaged in taking care of business in hand that nobody expected a slump; nobody predicted a slump; and hence there was no slump. The only reason that there have been such things as Summer, or any other seasonal, general slump was the persistent belief that these had to be.

There has been some opinion that business is too slow in its recovering. This opinion has been held chiefly, almost wholly, by those whose role in the business world is merely that of an adviser—and usually an adviser in matters of investment, or speculative finance. Business itself knows that a slow, sound recovery is in every way better than a sudden springing from the sickbed and digging in to make a million before sundown.

There is still a deal of talk about the need for a sharp and extensive increase in the inflow of funds into new corporate financing. Nobody tells, or seems to know, what the new corporations or the enlarged corporations would be able to do to earn money for their financial angels. Of course it makes business, for someone, when corporate financing is going big. But, the corporations must keep on making money to make permanent business of widespread usefulness—and at present there is plenty of room for expansion of existing corporations in this respect. Those who look at business as a permanent affair know that it will be far better if the corporations and other enterprises increase their influxes of funds by selling more goods than it would be because of extensive and intensive peddling of unpromissory notes.

Business is having no difficulty getting all the funds it needs to borrow for promising purposes. Lenders are not shy; the shyness that deters investments or loans is on the part of certain borrowers—they are shy of merit. The actual shortage of funds that is deterrent exists among consumers. Work is becoming more plentiful; pay is good and more widely distributed. So, this shortage is gradually being made up in the proper way.

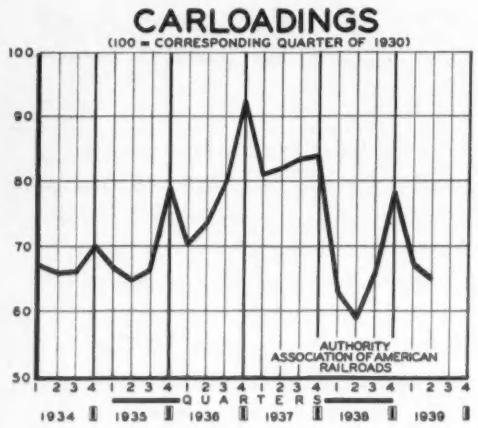
Business is going to be good for some time. The extent of its goodness in breadth and length will depend on what it does to promote an ascending spiral from the gains already made. This is a matter of P's and Q's. The first Q is quality of performance; the second is quantity

Neither quickness nor quackery is in the necessary category. The first P is purpose. After this comes performance, and this will be followed by profits—and the spiral runs around on those three, rising as each is pushed up. The final and desirable P is prosperity.

Agriculture holds a deal of promise this year, particularly because of the increasing diversification of crops. Oilseeds, for example, are replacing cotton in some sections. Manufacturing industry can do a goodly amount and desirable quality of spreading of this gospel, and it will find such educational work of benefit to itself, of greater and more lasting benefit than any amount of governmental subsidizing could be—and that goes for all other sorts of governmental help to business recovery. It must be said, however, that the program of continued governmental spending is something of great importance for the future of business. It may be pleasing to business, as a matter of principle, that Congress appears to be disinclined to provide for extensive further spending. But, it must be recognized that governmental spending is what has kept business out of the red; its billions have been the velvet of the past few years. If this is eliminated, business must find something to take its place. There is no reason why business cannot, and less reason why it should not, lay its own billions-of-dollars productive and constructive program—and carry it out. This will require national planning; but, business is big enough and able enough to do the planning and to supervise it. All that is lacking is leadership with an appropriate purpose.

Politics will continue to have an undue influence on business progress, undue because too much attention is paid to it. Nobody can foretell how politics will function in this respect. No matter how ably—and there will have to be a great deal of improvement—business may prepare and perform, it is likely that there will be no change in Federal administrative policies next year. If conditions abroad get further out of hand, there probably will be a third term for the President; otherwise, this is not likely.

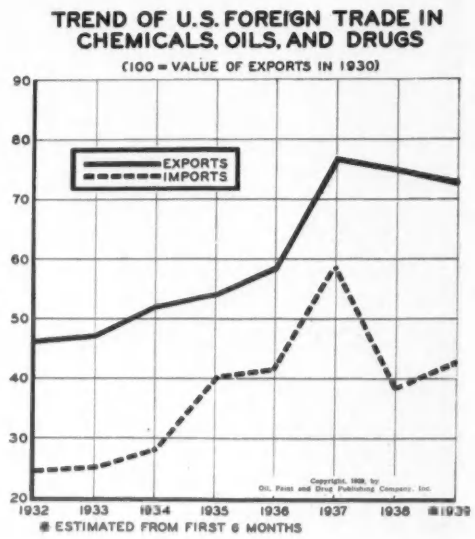
Whatever eventuates should make no difference. Business should be good enough to disregard most of the deterrents that have existed. Business as a whole should hearken to the voice of the Corn Belt:—"We don't give a damn who is Pres-


CARLOADINGS
(100 = CORRESPONDING QUARTER OF 1930)
100
90
80
70
60
50
AUTHORITY ASSOCIATION OF AMERICAN RAILROADS
1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
QUARTERS
1934 1935 1936 1937 1938 1939

Car Loadings

	Number of cars			
	First quarter.	Second quarter.	Third quarter.	Fourth quarter.
1930....	11,269,184	11,931,392	11,953,125	10,561,378
1932....	7,335,790	6,592,030	6,864,872	7,367,260
1937....	7,098,639	9,829,467	10,110,739	8,954,083
1938....	7,158,227	7,038,776	7,948,796	8,322,745
1939....	7,594,505	7,748,617	.....	.....

Yearly (52 weeks) totals:—	
1930	45,717,079
1931	37,151,249
1932	28,179,952
1933	29,220,052
1934	30,845,960
1935	31,504,134
1936	36,063,307
1937	37,992,928
1938	30,468,544



Foreign Trade in Chemicals, Drugs, Oils

	Exports.	Imports.
1930	$800,631,700	$479,635,000
1931	498,287,300	322,836,100
1932	368,655,200	199,138,300
1933	375,922,500	200,430,200
1934	413,472,400	227,433,600
1935	430,915,400	311,968,300
1936	463,234,000	333,519,400
1937	613,835,600	464,451,500
1938	602,391,600	308,521,200
1939 (Jan.-June)	290,269,700	169,164,700

CITRATES

CITRIC ACID

TARTARIC ACID

CREAM TARTAR

ROCHELLE SALT

SEIDLITZ MIXTURE

POTASSIUM IODIDE

PHENOLPHTHALEIN

CALCIUM GLUCONATE

CORROSIVE SUBLIMATE

BISMUTH SUBNITRATE

BISMUTH SUBCARBONATE

IRON and AMMONIUM CITRATE

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ident, or what is going on in Wall Street, if we have a good corn crop." A good corn crop depends on various things other than human efforts. Good business is 90 percent a matter of proper human efforts properly applied. If business wills to make itself good, it too need not "give a damn." If it continues to give two damns where one is too many, it may find itself bad again before the end of this year. It knows what it is up against. Armed with this knowledge, it will be just exactly what it makes of itself.

General Statistical Record

Data contributed to the REPORTER'S business survey or collated from a variety of relevant sources present the following comparative values of elemental factors in the general business situation during the second quarter of 1939, or for other periods or specific dates as designated; particulars for the ten divisions of the chemical, oil, and drug industries are given in the respective market commentaries farther below (the figures in the tabulation represent percentage changes from the second quarter of 1938 or from other comparable 1938 periods or dates as indicated):—

Production

	Percent.
Industrial production	+ 22.2
Manufacturing industries	+ 26.8
Capital goods	+ 49.4
Automobiles	+ 61.7
Glass, plate	+ 78.3
Pig iron	+ 60.8
Steel ingots	+ 69.0
Steel barrels and drums	+ 20.5
Consumer goods	+ 15.1
Chemicals, oils, drugs	+ 8.1
(Data for the several groups are given in the respective market comments below)	
Alcohol	+ 34.5
Denatured	+ 30.9
Ammonia (coke plants)	+ 21.1
Benzol (by-product coke plants)	+ 33.0
Carbon black (Texas)	+ 11.7
Cellulose plastics	+ 65.0
Corn grind	+ 4.4
Cottonseed oil, crude	— 19.9
Stocks, both grades (June 30)	+ 14.7
Gelatin, edible	+ 2.9
Stocks (June 30)	— 4.3
Linseed oil	+ 61.0
Stocks (June 30)	— 14.5
Methanol	+ 16.2
Petroleum, crude (Jan.-June)	+ 1.5
Gasoline (Jan.-June)	+ 5.1
Motor fuel stocks (July 1)	+ 0.6
Sulphonated oils	+ 31.1
Sulphuric acid (fertilizer mfrs.)	+ 15.2
Stocks (June 30)	+ 3.5
Superphosphates	+ 8.8
Stocks (May 31)	— 18.2
Coke	+ 13.7
Lead and zinc	+ 16.5
Leather and products	+ 12.7
Newsprint	+ 29.3
Newsprint consumption	+ 0.8
Paperboard	+ 8.7
Textiles	+ 30.7
Cotton consumption	+ 34.6
Hosiery	+ 26.9
Silk deliveries	— 14.2
Wool consumption	+ 48.4
Minerals production	+ 4.9
Anthracite	+ 15.3
Bituminous coal	— 14.4
Electric energy production	+ 12.9

Building Construction

Building permits and construction	+ 37.6
Family dwelling units provided	+ 62.3
Portland cement production	+ 21.4
Portland cement shipments	+ 14.3
Prepared roofing shipments	+ 16.4

Employment

Factory employment	+ 8.5
Capital goods industries	+ 12.0
Consumer goods industries	+ 5.8
Chemical, oil, and drug industries	+ 2.7
Factory payrolls	+ 17.1
Average weekly earnings	+ 7.0
Capital goods industries	+ 26.1
Average weekly earnings	+ 12.0
Consumer goods industries	+ 8.9
Average weekly earnings	+ 2.1
Chemical, oil, and drug industries	+ 5.3
Average weekly earnings	+ 3.1
Labor turnover	— 8.8
Accessions	+ 14.7
Separations	— 24.2

Sales

Manufacturers' sales	+ 15.4
Chemicals, oils, drugs sales (volume)	+ 10.4
Chemicals, oils, drugs sales (value)	+ 11.3
Chemicals, oil, drugs, inventories (June 30)	— 0.6
Chemical, oil, drug corporation earnings	+ 37.1
Medicinal preparations sales	+ 15.7
Paint and varnish sales	+ 13.1
Toilet preparations taxes (10%)	+ 13.7

Sales

	Percent.
Manufacturers' sales:—	
Automobile sales, manufacturers	+ 61.2
Retail sales	+ 41.5
Retail financing (new cars)	+ 53.7
Leather and products sales	+ 12.3
Paper sales	+ 9.8
Rubber goods sales	+ 16.9
Rubber, crude, consumption	+ 46.8
Steel barrels and drums shipments	+ 20.7
Textiles and products sales	+ 17.4
Wholesale sales	+ 7.0
Chemicals	+ 14.6
Wholesale chemical inventories (June 30)	— 3.6
Drugs and sundries	+ 4.8
Wholesale drug inventories (June 30)	— 0.6
Paints and varnishes	+ 2.9
Wholesale paint inventories (June 30)	— 0.3
Petroleum	+ 1.4
Wholesale petroleum inventories (June 30)	— 8.5
Oil burner shipments	+ 65.5
Retail sales	+ 8.3
Chain stores	+ 4.9
Drugs	+ 2.5
Individual retailers	+ 8.3
Drugs	+ 3.7
Filling stations	— 0.3
Department stores	+ 5.7
Department store collections	+ 3.9
Mail-order sales	+ 24.3
Rural retail sales	+ 13.5
Fertilizer tag sales	+ 8.1

Prices

Chemicals, oils, drugs prices (June 30)	— 2.6
Change during second quarter	+ 0.4
General wholesale prices (July 1)	— 3.1
Change during second quarter	— 1.0
Cost of living	— 2.1
Retail cost of food (June 13)	— 4.9
Individual incomes (including benefits)	+ 4.7
Pay of employees	+ 5.7
Dividends and interest	+ 6.0
Bank debits (June 28)	+ 10.6
Business loans (June 28)	— 1.3
Brokers' loans (June 28)	+ 0.8
Farm income (marketing and bonuses)	+ 2.6
Prices received by farmers	— 3.6
Prices paid by farmers (all commodities)	— 3.5

Transportation

Railroad carloadings	+ 9.6
Truck freighting	+ 26.1
Railroad operating income	+ 96.4

Foreign Trade

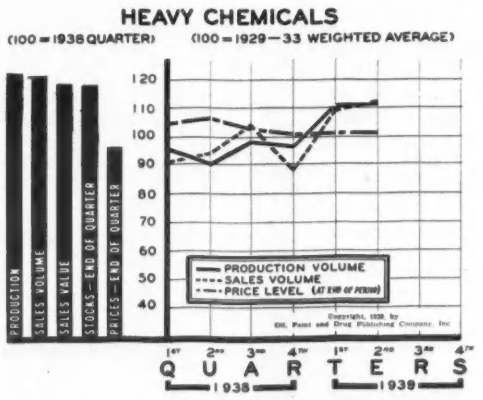
Exports, general (Jan.-June)	— 8.8
Chemicals, oils, drugs (Jan.-June)	+ 0.9
Imports for consumption (Jan.-June)	+ 3.1
Chemicals, oils, drugs (Jan.-June)	+ 7.8

Records of Chemical Groups

From individual records of operations, conditions, and sentiment in the chemical, oil, and drug industries submitted for analysis in the REPORTER'S nationwide survey for the second quarter of 1939 the following pictures of the several groups have been constructed:—

Heavy Chemicals

General business improvement, slow but apparently sure, was naturally and fully reflected in sales of heavy chemicals during the second quarter. Productive activity was stimulated a bit beyond immediate requirements, and noticeable increases



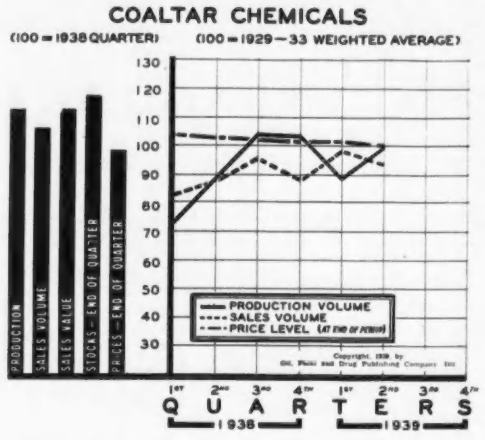
were made in producers' inventories. The slight decline of the price average was, however, more the result of further spread of competitive variety and activity than of excessive supplies. Insecticides were in gratifying demand, although this was a bit spotty at times because of weather conditions. Seasonal demands were better than usual, and seasonal recessions were less marked than had been expected. There was some reflection of labor disturbances in consuming industries, but neither internally nor externally were these of much weight. Governmental lookings-into were largely transferred to other fields and readjustments of policy that had been made earlier in the year under this influence appeared to be satisfactory to both sides. Technical developments in certain sections offered further benefits to consuming industries, in better service, as well as in lessened costs.

Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+23.5
First half	+13.4
Sales volume, second quarter	+20.3
First half	+11.5
Sales value, second quarter	+18.3
First half	+10.8
Stocks, end of second quarter	+18.1
Prices, end of second quarter	— 4.8
Change since January 1, 1939	— 0.2
Change since March 31, 1939	— 0.2
Exports (6 mos.)—$31,349,366	+71.6
Imports (6 mos.)—$15,997,171	+ 7.0
Credit conditions—Slightly better.	
Outlook—Brighter.	

Coaltar Chemicals

Because of increased activity in the iron and steel industry, the coaltar chemical industry got an increasing supply of raw materials during the second quarter. The field was also given a heavier offering of imported materials. Greater activities in the



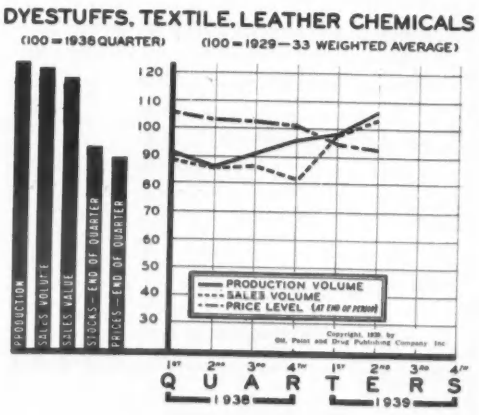
textile, drug, and other consuming industries took care of some of this increase; the demands of the disinfectant industry fell short of expectations in certain respects. Prices were reduced in a few divisions, and although quotations on some articles were advanced, the net result was a slightly lower average at the end of the quarter. Postponement of the certified colors provisions of the new Federal food, drug, and cosmetic law avoided a number of changes required in this connection. Arrangements had been completed for furnishing many of the colors under the certification plan, and details are being worked out with consuming industries, which will need these colors well in advance of the time when others will be prohibited in interstate commerce in foods, drugs, and cosmetics. Encouraging general business conditions and promising expectations in some new fields engendered an optimistic sentiment in the industry.

Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+12.2
First half	+ 7.4
Sales volume, second quarter	+ 5.9
First half	+ 3.5
Sales value, second quarter	+12.5
First half	+10.8
Stocks, end of second quarter	+17.3
Prices, end of second quarter	— 2.8
Change since January 1, 1939	+ 0.2
Change since March 31, 1939	+ 0.2
Exports (6 mos.)—$6,318,181	+26.8
Imports (6 mos.)—$10,658,206	+47.3
Credit conditions—Unchanged.	
Outlook—Brighter.	

Dyestuffs, Textile, Leather Chemicals

Although the textile and leather industries continued to increase their activities, purveyors of the chemical and botanical materials used in their processes reduced the average price of their goods again during the second quarter. This was done in the face also of greater difficulty in getting ade-



quate supplies of certain foreign materials. Some anticipatory importing of these gave the foreign trade of this industry a greater "unfavorable" balance, imports as a whole running well above last year's levels. Corn derivatives were one of the more active items in a market sense, and interesting developments marked the competitive field of sizes

Today's Returning Prosperity Is Not Following Yesterday's Roads

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and the like. The combination of lower prices and greater consuming activity gave the industry a substantial increase in sales in comparison with last year. Although speculative buying on the part of consumers was not so prevalent as conditions might indicate, suppliers' inventories were smaller than they had been a year earlier, but they were increased during the quarter. The industry expected that the improving of its statistical position would continue for some months at least.

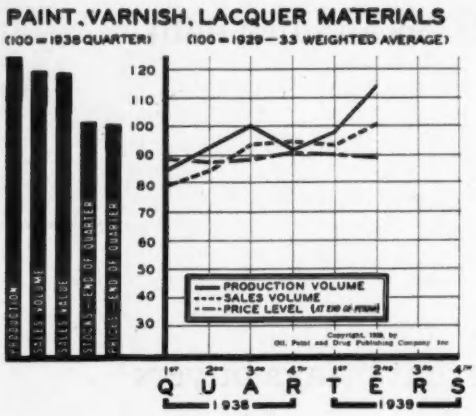
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+22.8
First half	+ 5.8
Sales volume, second quarter	+20.4
First half	+20.9
Sales value, second quarter	+17.4
First half	+19.6
Stocks, end of second quarter	— 6.4
Prices, end of second quarter	—10.4
Change since January 1, 1939	— 7.5
Change since March 31, 1939	— 2.3
Exports (6 mos.)—$3,874,469	+ 5.6
Imports (6 mos.)—$6,542,654	+24.8

Credit conditions—Unchanged.
Outlook—Brighter.

Paint, Varnish, and Lacquer Materials

The second quarter was a period of conflicting influences with respect to paint, varnish, and lacquer materials. Housing activities increased demand for the finished products of which these are components. Technical advances in several divisions provided improved materials at reduced costs. The problem of being adequately supplied with satisfactory oils bothered the manufacturing consumer more than a little. The net result was bigger and better business, which promised to hold out for a time at least. Recognition of the importance of the Federal housing program to the paint industry expanded during the quarter, as evidence became more and more conspicuous in many parts of the country. The interest of the industry and of those who provide its materials in the defeat of the housing funding legislation is consequently very keen. Much interest and speculation attach also to the Federal investigation of conditions and practices in the construction industry, which are suspected of being in conflict with the antitrust laws. In addition the Federal Trade Commission is giving some attention to allegedly restrictive practices in several divisions of that industry. Purveyors of paint materials have many things to occupy their thoughts and on plans for the future. Nevertheless their view of what is before them is much brighter than it was a year ago, although most of them do not expect the improvement of the first six months of this year to be exceeded in the second.



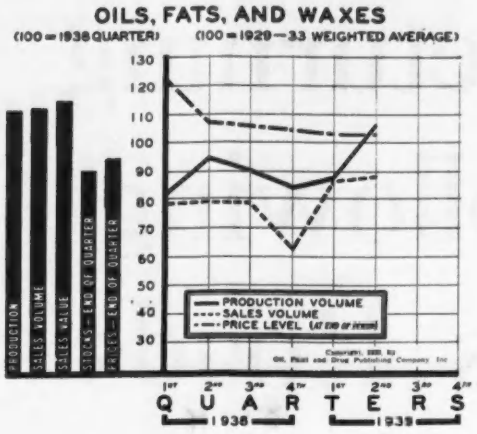
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+24.1
First half	+20.9
Sales volume, second quarter	+19.9
First half	+22.9
Sales value, second quarter	+19.2
First half	+20.9
Stocks, end of second quarter	+ 2.2
Prices, end of second quarter	+ 1.1
Change since January 1, 1939	0.0
Change since March 31, 1939	0.0
Exports (6 mos.)—$21,779,371	+ 6.9
Imports (6 mos.)—$15,315,934	+84.2

Credit conditions—Unchanged.
Outlook—Brighter.

Oils, Fats, and Waxes

Industrial demand for oils, fats, and waxes increased during the second quarter, and this resulted in various shiftings of emphasis because of the stringency of supplies of drying oils, the increase in demand being in large part caused by activities in the paint industry. Demand for food oils and fats also increased; but in this division there was an abundance of supplies. Out of the two conditions naturally came divergent trends of prices; those of drying oils were advanced, as were those of a few soapstocks; prices of the major food oils and fats were reduced. The net result was a slight increase in the average, which did not, however, bring it up to the 1938 level. The major influence in the food division was the large and growing supply of lard, and the downward pressure on the price of this fat had its natural effect on the price of cottonseed oil. Various legislative remedies were advocated for different aspects of the unsatisfactory condition, a number of bills for import and processing taxes being considered in Congress, and a more recent endeavor seeks an export subsidy for lard. Some of the changes in agricultural practice tend to restore a better balance between industrial and food oils and fats, especially is this true of the increasing cultivation of seed flax. But, some of these effects are offset by the present large acreages of peanuts and soybeans. The difficulty of getting tung oil out of China has been but slightly mitigated, and consumers, of necessity, have become more interested in substitutes. Developments in this direction are reported to have reached a stage of attractive satisfaction; the introduction of synthetic soapstocks in this country is, however, still a long way off.



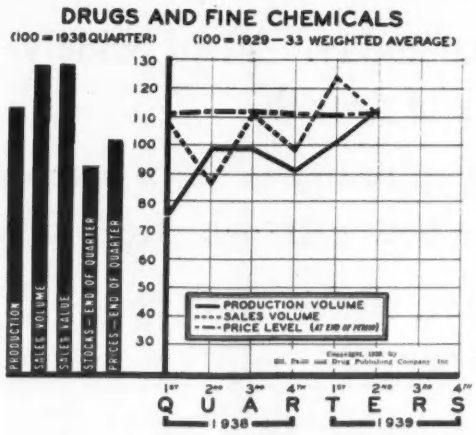
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+11.4
First half	+ 7.7
Sales volume, second quarter	+12.6
First half	+ 8.2
Sales value, second quarter	+15.2
First half	+18.2
Stocks, end of second quarter	— 9.7
Prices, end of second quarter	— 4.6
Change since January 1, 1939	— 2.3
Change since March 31, 1939	+ 0.7
Exports (6 mos.)—$18,292,476	+ 5.5
Imports (6 mos.)—$50,233,978	— 6.3

Credit conditions—Slightly better.
Outlook—Slightly brighter.

Drugs and Fine Chemicals

On the pharmaceutical side, business in fine chemicals was very good during the second quarter. On the industrial side, while it was of increasing volume, this was achieved largely by keen competition in which prices played a major role. Foreign conditions had a potent influence on the status of some materials of Oriental origin and others that are of importance in the field of munitions. The weight of this influence was heavier than that in competitive conditions, and the net result was a slight raise of the price average over the quarter, the midyear level being higher than that in 1938. Postponement of certain provisions of the new Federal drug law freed some problems from the necessity of immediate attention, although most manufacturers of pharmaceutical materials had adjusted their labeling to the new requirements. It is generally expected that, when the law becomes fully effective, some shifts in pharmaceuticals will be inescapable, but no revolutionary effect is looked for. Technical progress in industrial fine chemicals has been making long strides for some time. This has noticeably broadened a number of competitive fields, and the effects were evident during the second quarter. Further eventualities are promised by extensions of productive undertakings in certain important materials. Still keener competition is looked for, along with further benefits for consumers who are able to adjust their operations to the new opportunities. Consequently the fine chemical industry looks hopefully to the future, more than a little of its hope deriving from the export field.



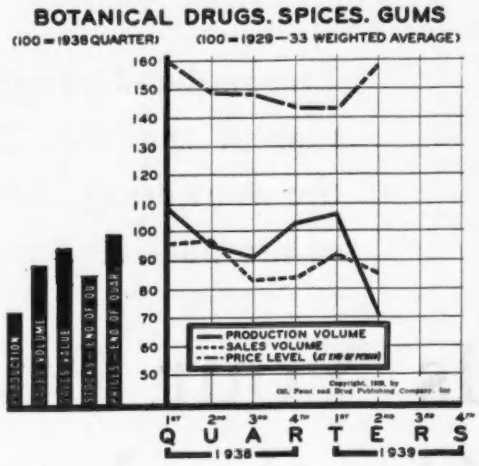
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+13.2
First half	+11.9
Sales volume, second quarter	+27.2
First half	+21.2
Sales value, second quarter	+28.1
First half	+27.6
Stocks, end of second quarter	— 7.3
Prices, end of second quarter	+ 0.8
Change since January 1, 1939	+ 0.2
Change since March 31, 1939	+ 0.2
Exports (6 mos.)—$18,464,419	+17.7
Imports (5 mos.)—$5,357,275	—47.6

Credit conditions—Unchanged.
Outlook—Brighter.

Botanical Drugs, Spices, Gums

The botanicals business, according to data contributed to the REPORTER'S survey, was not among those enjoying the returning prosperity of the second quarter. In fact, it was far, far from being prosperity-bound: its production and its sales were far below last year's levels; its supplies were greatly curtailed. The drug side of the business was the greater sufferer, comestible and industrial materials being in gratifying demand, which necessitated rather heavy importations. As the other side of foreign trade is largely in drug articles supplies of which were low and customary markets surrounded with obstacles, exports fell below last year's level. Harvesting of wild native drug plants has became a shrunken occupation; it is easier for harvesters to effect an existence on relief. Domestic demand for many botanical drugs has been declining for years; this tendency has increased in recent times; and there is some evidence that the new drug law will give it still further impetus. At that, the supply has been steadily falling behind demand in respect of domestic materials, and this, in combination with difficulties in the importation of certain important articles, boosted the price average of the industry during the second quarter. The advance did not reach to the 1938 level; but, as prices go these days, botanicals are not cheap.



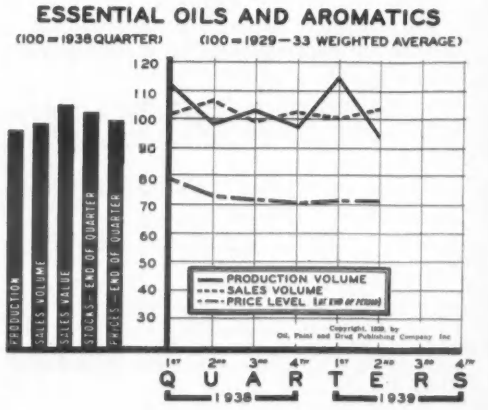
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	—26.8
First half	—30.5
Sales volume, second quarter	—10.2
First half	— 7.8
Sales value, second quarter	— 5.4
First half	— 4.2
Stocks, end of second quarter	—14.2
Prices, end of second quarter	— 0.9
Change since January 1, 1939	+ 2.4
Change since March 31, 1939	+ 2.6
Exports (6 mos.)—$1,041,879	—11.1
Imports (6 mos.)—$19,251,974	+42.1

Credit conditions—Unchanged.
Outlook—Slightly brighter.

Essential Oils, Aromatic Chemicals

Business in natural and synthetic aromatic materials in the second quarter was not up to the average of the chemical, oil, and drug industries, although foreign trade in both directions was well ahead of that in the 1938 period. Light demand



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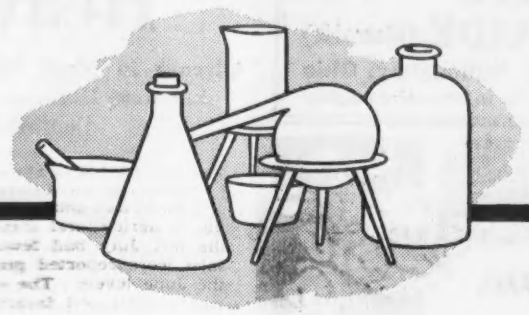

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Heavy Chemicals

Advance in Metal Fails to Influence Copper Derivatives—Soda Stannate Higher—Tin Salts Slightly Firmer—Dry Weather Continues to Benefit Calcium Chloride

Demand for heavy chemicals tapered off slightly last week under the month-end influences coupled with a slackening in agricultural chemicals. Despite the fact July had fewer billing days, sales were reported generally close to the June levels. The outlook for this month continued favorable. No sharp declines were registered in basic consuming industries, and operations held at practically the same pace. Labor troubles in the Detroit and Cleveland automotive centers were not expected to delay new model production to any extent, with prospects for an early settlement near at hand in the former area.

Price changes once again revolved around metals and their derivatives. Soda stannate, tin crystals and anhydrous tetrachloride of tin registered fractional advances following the recent spurt in the Straits metal, and cancelled the reductions recorded the preceding period. The domestic copper price was established at a fractionally higher level, but this had no immediate influence on the various copper derivatives.

Blue vitriol was firmer, although business was not as active because of a normal seasonal decline in agricultural shipments. Dry weather prolonged the demand for calcium chloride in many sections, and business was running ahead of a year ago. Chlorine moved well for water treating and sanitation purposes. Alums moved in satisfactory quantities. Copperas remained in a tight position. Potash caustic and carbonate moved along normal lines for this time. Alkalies were taken fairly steady by various basic consuming industries. Shipments of cyanides held at moderate levels. Acetic and sulphuric acid continued to receive better support in some directions. Calcium and lead arsenate shipments were reasonably good.

A new list of importers and dealers in chemical products in Norway is now available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms, at the usual cost of 10 cents a copy.

Alums.—The market received fairly steady support, the call came chiefly from the paper trade and for water treating purposes, while miscellaneous consumers were represented for satisfactory quantities. Quotations remained firm. The Chemical Warfare Service, Edgewood Arsenal, Md., July 12, rejected all bids submitted for 30,000 pounds of alumina sulphate.

Alumina Hydrate.—Demand for the heavy and light material was along moderate lines throughout the past week. Quotations were well maintained, and a firm tone governed the dealings.

Ammonia, Anhydrous. — A normal seasonal demand for refrigerating purposes prevailed in this direction. Most of the business represented withdrawals against contracts made earlier in the year. Prices ruled firm.

Ammonia, Aqua.—Various consumers were entering the market for necessary replacements, and volume was sufficient to keep the market in a favorable position. Prices for drums and tanks were unaltered.

Ammoniac, Sal.—Withdrawals of the white and gray material were spotty. The call came chiefly from the dry battery trade. Domestic and foreign prices were in conformity with those established some time ago.

Antimony. — Quotation for domestic spot metal was unchanged at 12c. per pound. Business remained along narrow lines. Prices for the oxide and needle of antimony were the same, and business was not very broad.

Arsenic.—Dealings in the market for the red and white grades were about routine. Withdrawals came chiefly from the glass, ceramic and tanning industries. Pricewise a steady to firm tone predominated.

Barium Salts.—There was little feature to the trading in the market for various barium derivatives last week. Moderate quantities of carbonate, chlorate, chloride and hydrate were moving to various sources, but demand was not expanding to any degree. Prices were maintained at previous levels.

Bleaching Powder.—Usual consumers were making necessary withdrawals against contracts to provide about all the activity in this direction. Prices ruled unchanged.

Blue Vitriol.—Business from agricultural sources continued to display signs of tapering from the peak levels, which is a normal seasonal development at this time. However, withdrawals for water treating, commercial and export sources were maintained at steady levels. The recent advance in the basic metal had no immediate effect on the price schedule, but the tone of the market was firmer.

Calcium Chloride. — Buying was regarded as highly satisfactory last week. The continued dry weather in many areas provided excellent demand for dust-control work, and sales were running above the same period a year ago. The call from other sources was steady. No change developed in the prices.

Carbon Dioxide.—A good season interest was manifest in the market for refrigerating and for beverage purposes. A firm price tone governed the dealings.

Carbon Tetrachloride.—Interest from the dry-cleaning trade and for solvent uses was moderately active during the past week. Price schedules were maintained at the same levels.

Chlorine.—A good seasonal movement was still in progress for water treating and sanitation purposes. Shipments to commercial channels was holding at satisfactory levels at this time. The position of the market remained satisfactory, and a steady to firm price tone prevailed.

Copper.—Leading producers and smelters advanced domestic quotations to the 10½c. per pound basis. Heretofore, prices ranged from 10¼c. to 10½c. per pound. Early in the week the price was established at 10⅜c. by all but one producer, and later the price advanced to the higher level. The increase was attributed to the activity in the foreign market and the higher prices prevailing abroad. Sales were made in the export market at 10.71c. per pound. Business in domestic copper remained moderate. Total sales of copper here during July amounted to 182,052 tons, the highest level since October, 1936. Sales for the first seven months aggregated 432,307 tons, against 324,500 tons in the corresponding period a year ago.

Copper Salts.—A firmer price tone prevailed in the market for various copper derivatives last week, reflecting the recent advance in the basic metal, however, sellers maintained prices at the same levels. Business was moderate.

Copperas.—The position of the market underwent relatively little change, supplies of material continued tight, and sellers were making shipments direct from production. Quotations were without change.

Fluorspar.—Demand from the metallurgical trade was fairly steady, while chemical processors and ceramic trade exerted a routine interest. Quotations

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copper, electrolytic, ¼c. per lb.
Soda stannate, ½c. per lb.
Tin, Straits, ⅛c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.

Reduced

None

Comparative Values

Index number compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
146.8	**146.8**	**146.6**	**149.2**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

for various grades of domestic and imported material were unchanged.

Lead Acetate.—The recent advances in the basic metal made for a firmer price tone, but quotations failed to change. Business from usual consumers was maintained at fair levels.

Manganese Ore.—A firmer price tone was evident in this direction, reflecting to some extent the situation in Europe. Quotation for the ore held at 29c. nominal per unit ton in car lots at Atlantic ports for the 50-52 percent basis. Demand was not active.

Nickel Salts.—A moderately active demand was reported for the sulphate. Quotations were unaltered, and the undertone remained firm.

Potash Carbonate. — Withdrawals against contracts provided a good deal of the business in this direction, and shipments were proceeding along normal lines. Prices ruled unchanged.

Potash, Caustic.—Demand remained steady for moderate quantities throughout the past week. Pricewise no new developments were uncovered.

Potash Chlorate.—A routine interest from the match trade provided practically all the business in the market last week. No change was disclosed in the prices.

Potash Permanganate.—Usual consumers entered the market for necessary requirements to give the market sufficient support. Prices were without alteration.

Saltcake. — Shipments against contracts to the Kraft paper industry were spotty, but replacement orders were made in satisfactory quantities from time to time to keep the position of the market steady to firm.

Saltpeter.—Demand was not particularly active and tended toward spottiness last week. Price schedules were in conformity with those established some time previous.

Soda Acetate.—Quotations were maintained at firm levels for various grades during the past week. Business experienced no particular stimulation, but held fairly steady.

Soda Ash.—While some month-end influences brought about some reflection in shipments, sellers were able to report satisfactory amount of orders from various basic consuming lines last week. No change was reported in the prices.

Soda Bicarbonate.—Spot and contract withdrawals were steady. Quotations for the technical were maintained at levels in force previously.

Soda Caustic.—Interest in the market held at comparatively satisfactory levels. Shipments during July were favorable, and despite a little recession earlier in the week, sellers could report about an equal amount of business so far this month. Quotations ruled unchanged.

Soda Chlorate.—Transactions in the market were only fair, with the demand for weed killing purposes still providing the market with most of the seasonal support. Prices were without change.

Soda Cyanide.—Recent labor trouble in important automotive centers was not expected to retard work on new models to any great extent, although it had some unfavorable influences. Shipments for electroplating and case hardening purposes were moderate last week. Prices held at the same levels.

Soda Nitrite.—Shipments to the meat packing trade continued to provide the market with adequate support, while other consumers were making moderate purchases. No change occurred in the prices.

Soda Pyrophosphate.—Quotations were unchanged, and the market fully retained its firm position. Business failed to expand appreciably, but held moderately active.

Soda Silicate.—Some basic consuming industries made satisfactory replacements from time to time to provide the market with a fairly good volume of business. Prices held the same.

Soda Silicofluoride.—A consistent demand for moderate quantities remained in evidence during the week just closed. The position of the domestic market appeared firmer than for some time. Domestic and imported prices were unaltered.

Soda Stannate.—Quotations were advanced ½c. per pound at 32c. to 35c. per pound, reflecting the upturn in the Straits metal market. Business was fairly steady.

Soda Sulphate, Anhydrous.—While demand displayed no signs of broadening, commitments were held at fair levels last week. Prices were unchanged. A sharp drop was recorded in the imports into the United States during 1938 totaling 5,788 long tons, against 13,668 long tons in the preceding year. Germany supplied practically all the imports.

Tin Salts.—The market reversed the trend of the preceding period and recorded fractional advances. Tin crystals advanced ½c. at 38c. to 38½c. per pound, anhydrous stannous chloride was 45½c. to 46c. per pound. Anhydrous tetrachloride of tin was unchanged at 24¼c. per pound. Straits metal price advanced to 48.65c. per pound.

Zinc Carbonate. — Demand came chiefly from the rubber and ceramic trade for moderate quantities last week. A steady to firm price tone governed the transactions.

Acids

Trade in the market for various acids continued along moderate lines for the most part last week. Most of the major acids moved steadily, particularly acetic, formic, muriatic and sulphuric, and this could be attributed to improved conditions in some basic consuming industries. Price schedules were maintained at former levels, and a generally steady to firm tone remained in evidence.

Acetic. — Shipments moved in fair quantities to chemical processors, rayon, artificial leather and other miscellaneous consuming channels last week. Price schedules were unaltered.

Battery.—Commitments were routine in the market last week. Prices were unchanged, and the tone of the market was steady.

Chromic.—A firm tone continued to prevail in this direction. Demand from the plating trade and other sources was along moderate lines.

Formic. — The textile and leather trade provided a steady interest in the market. Sellers were adhering to quotations in force previously.

Gallic.—Quiet conditions surrounded trading throughout the past week. No change was disclosed in the quotations.

Hydrofluoric.—Interest in the market was not very broad, and usually confined to nearby needs. Prices ruled unchanged.

Lactic. — Trading was somewhat spotty, and most factors were content to pursue a cautious purchasing policy. Quotations for various grades remained the same.

Muriatic.—Withdrawals by the metallurgical and sugar trade provide a good portion of the business, and volume was sufficient to keep the tone of the market steady to firm.

Naphthenic.—The call from the paint trade was regarded as only fair, while other consumers were making only necessary commitments at this time. Quotations were in conformity with those prevailing for some time.

Nitric.—Shipments against contracts and spot business was moderate during the past week. Prices were without change.

Oxalic.—Demand was fairly broad for small quantities last week. Quotations were in line with those prevailing previously.

Phosphoric. — Quotations were unchanged, and prices ruled firm. Various grades were receiving steady support.

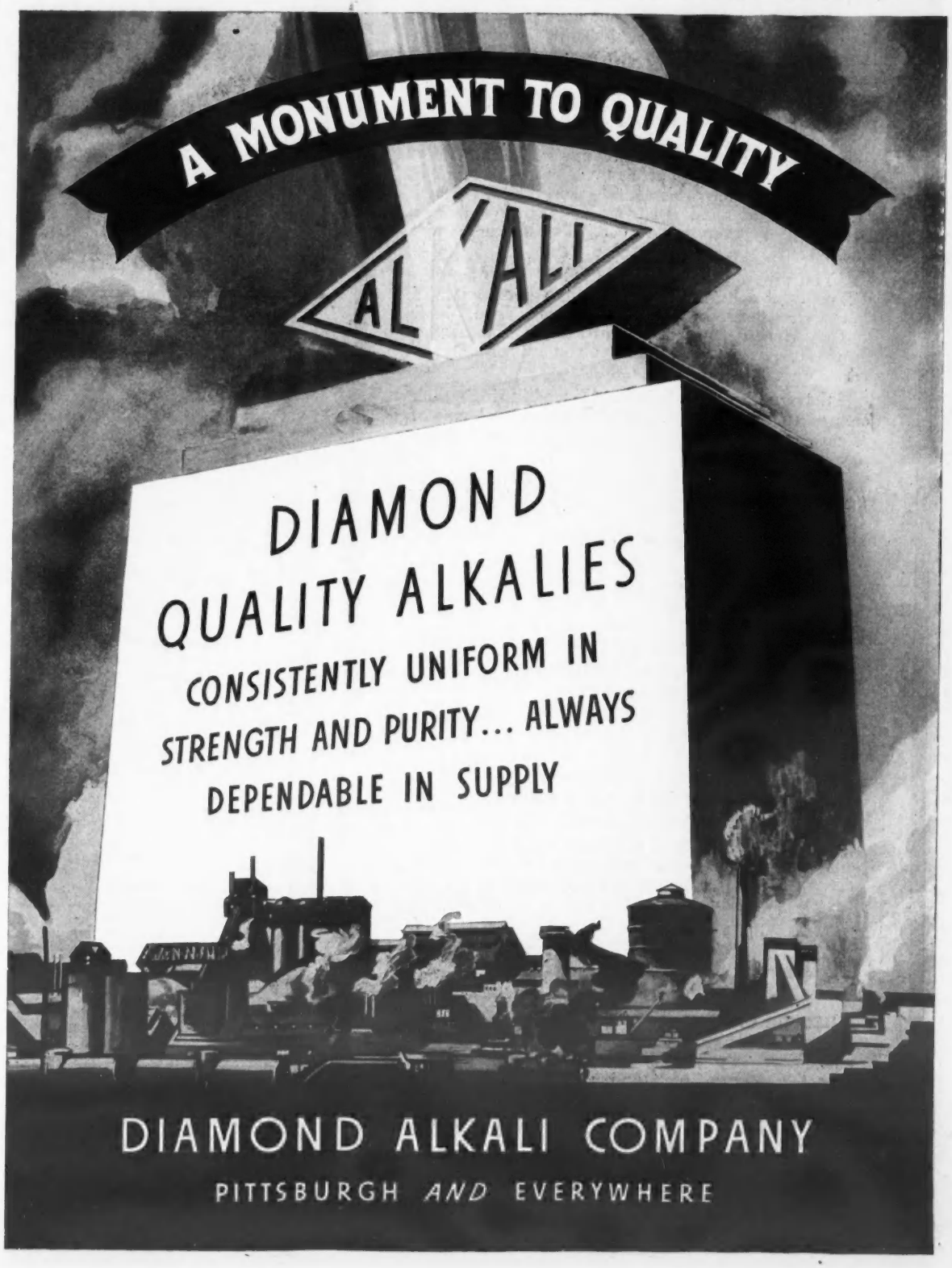
Sulphuric.—Improvement in operating schedules of some basic consuming industries gave the market a little better support last week. Most of the gains were recorded from the steel trade, where output was near peak levels for the year, although production declined slightly last week to the 59.3 percent of capacity, compared with 60.6 percent in the preceding period. Price schedules for various grades were unaltered.

Baltimore, Aug. 2.—Interest in offerings of sulphuric acid seems to have picked up a bit during the last week, which suggests that the consuming industries rather underestimated than overestimated their requirements for the year and now feel it to be the part of wisdom to provide for a more elastic program. At the same time the producers of acid have made no move so far to mark up their quotations, which remain nominally at $12 per ton for 60 degree and at $15 per ton for 66 degree acid, though a firmer tone may have developed. Oleum also is unchanged at $17 per ton for 20 percent stocks.

Insecticides

Conditions in the market for agricultural insecticides and fungicides underwent little change from the previ-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



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ous period. Sellers were able to report a reasonably good seasonal demand. While the dry weather in most Eastern states was expected to have some influence on business, the fact that most crops were already harvested or special efforts were underway to make an early harvest, prevented any unusual business stimulation. Weather in the cotton belt showed temperatures averaged near normal. During the week there was considerable precipitation in the Eastern and Central sections but in the Western belt rainfall and high temperatures were unfavorable in most Western sections, but elsewhere the advance of cotton was largely satisfactory. Calcium arsenate moved satisfactory in both Northern and Southern areas. Interest in lead arsenate was moderate, and declined somewhat from the peak levels. Prices held at the levels in force previously.

Among the insecticides and fungicides used in Denmark are sulphur dust as protection against mildew and spider pests, nicotine sulphate against green flies and derris dust against strawberry weevil. The greater part of the nicotine sold in Denmark is of Dutch and Hungarian origin, but the trade feels that if American factories are able to quote competitive prices there should be a market locally for the American product, according to the American attache at Copenhagen.

Bordeaux Mixture.—A firm price tone characterized trading in this direction throughout the past week. Demand was held to moderate proportions in most instances.

Calcium Arsenate.—A normal seasonal movement of material to Northern and Southern areas was reported in the market. Quotations were without change, and a steady to firm tone prevailed.

Lead Arsenate.—While demand was not broadening to any extent, a satisfactory amount of replacement business

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was uncovered. Price schedules were in conformity with those prevailing previously.

Paris Green. — A moderate buying interest was the rule in the market throughout the week just ended. Sellers were adhering to quotations in force for some time.

Trade Briefs

United Cork Company has leased the one-story building at 208 Varick street, this city.

Germany has started plans for exploiting the copper ore deposits in Lower Silesia.

Walter Burges, of William S. Gray & Co., commission merchant, this city, is touring New England on his vacation.

Read Drug & Chemical Company, Baltimore, plans the refunding of $24,392 of 5½ percent ten-year notes, due May 1, 1945.

Atlas Chemical & Manufacturing Company has been formed in San Diego, Calif., by Robert W. Bowman and Duval Ellery.

R. H. Dufault, of the R. & H. chemicals department of E. I. du Pont de Nemours & Co., this city, is vacationing in Massachusetts.

Robert Gair Company, container manufacturer, this city, has elected T. R. Pierce vice-president, and W. F. Howell, secretary.

F. K. Foss has been elected vice-president of Wilson & Co., meat packers, Chicago, to fill the vacancy caused by the death of W. J. Cawley.

Pfanstiehl Chemical Company, Waukegan, Ill., has issued its August 1 catalog on rare sugars, amino acids, laboratory reagents and bichemicals.

William R. Caple has been transferred from main office to the Chicago office of the Dow Chemical Company, Midland, Mich., where he will be in charge of "Dowmetal" sales. He will be assisted by E. R. Turnquist.

International Mineral Recovery Company is a newly-organized corporation in Los Angeles county, with 7,500 shares of capital stock. Directors are: Carl W. Yates and Lawrence Cobb, of Los Angeles; and Harry S. Brown, of Glendale, Calif.

George Senn, manufacturers' agent, Philadelphia, has been named agent in the metropolitan Philadelphia area for the Retort Chemical Company, maker of pine tar, pine tar oil, pine tar pitch and other solvents and chemicals, Gainsville, Fla.

American Trade Association Executives and the National Association of Commercial Organization Secretaries will cooperate in conducting a national institute for the training of secretaries at Northwesern Universiy, Evanston, Ill., from August 13 to 19.

Hugh M. Rice, manager of chemical sales for the Phelps Dodge Corporation, this city, returned July 31 from an extended business and vacation trip through the west and southwest. Mr. Rice visited the company's plants in Chicago, Cleveland and Texas.

George Uhe, president of the George Uhe Company, commission merchant, this city, returned from Europe July 30 on the steamship Georgic. Mr. Uhe combined business with pleasure on a jaunt that took him to the principal European countries for a period of about two months.

Soap Plant for Lithuania

OPD Washington Bureau
August 1, 1939

With the loss of its most important soap factory in the Memel Territory, the Lithuanian government controlled linseed, copra and sunflower oil refinery, the "Ringuva Akcine Bendrove," which is the country's largest supplier of soap fats, is without an outlet for its products, according to information received by the Department of Commerce from the American consulate in Kaunas. to remedy this situation, this company has applied for and received a permit to construct a soap factory in Kaunas, and construction will begin in the near future. The new plant will at first produce ordinary laundry soaps, and soap powders, but later will undertake the manufacture of toilet soaps. It stated that the new plant will utilize locally produced linseed oil, which will be hardened by a patented process, instead of coconut oil, in order to reduce importations of copra.

Trend of Progress in Fungicides

—Continued from page 5

hence it requires examination. In many respects it has analogies in human pathology and is reminiscent of notions such as that a diet of nuts or shedding of clothes will dispel human ills. Like these crankish beliefs, it contains enough truth to convert the credulous. Many examples could be quoted of the success with which disease has been combated by means of resistant varieties. Without varieties immune from wart disease, the cultivation of potatoes on ground infected with *Synchytrium endobioticum* would be impracticable; without strains of sugarcane resistant to "Sereh" disease, the Java sugar industry could not have survived the competition of the sugar beet.

But in such cases resistance to but a single disorder has been achieved. The wart-immune potato is susceptible to blight or to virus-infected aphides, and there is no certainty that, if multiple resistance were bred, the varieties would possess the cropping powers, the storage qualities, and the many other factors which determine the value of the variety to the grower. The apple unwholesome to the codling moth might fail to drive away the doctor even if the daily dose were as nauseous as physic. Moreover there can be no guarantee that sooner or later strains of the pathogen will not arise capable of infecting the once-resistant variety of crop-plant. Hybridization and the occurrence of sports, skilfully used by the breeder to produce new varieties, also proceed uncontrolled among pests and organisms responsible for disease. The resistant variety is already of the greatest value in specific cases, but it is reasonable to dismiss the prospect of the successful evolution of varieties of general and permanent resistance as a mirage.

Much can and has been done also to discourage pests and diseases by imposing environmental conditions which reduce the susceptibility of the crop-plant and which decrease its liability to attack. In the past the practical man has generally been content to regard soils and localities in which a particular crop persistently fails as being unsuitable to that crop. One of the greatest achievements of the application of science to agriculture has been to extend cultivation to areas previously considered unsuitable. This extension is often made possible by the adoption of methods of plant protection other than the use of resistant strains, measures which the advocates of this method regard as irrational and unscientific. But it would be a retrograde step to abandon these methods and to return to troubleless varieties grown only in favorable soils and climates.

The purpose of the agriculturist is not to produce crops on which neither disease nor pest can thrive in localities and seasons where such crops are easy to grow. His aim is to produce crops meeting public demand at the time and spot yielding him the greatest return. Profit drives the grower, and economic factors must govern the recommendations of the plant pathologist. A simple example is seed treatment in pea-growing. By treating the pea seed with cuprous oxide a good plant may be obtained in wet, cold soil where untreated peas would rot. The grower is thereby enabled to extend the pea-growing season and ground, but he will use the treatment only when the extra crop returns cover its cost. The incentive to produce pea varieties thriving under unfavorable conditions still remains, but these new varieties must give equal or better yields and cooking and canning qualities not inferior to present pea varieties before the fungicidal treatment can be discarded. Economic reasons alone are enough to insure the survival and development of fungicides, and, despite somewhat crude methods, the principles underlying their use are as rational and as scientific as the use of antiseptics in surgery.

Importance of Methods

At first sight the present methods of the application of fungicides appear certain to fail, for it seems most improbable that a dilute suspension of a chemical scattered over the dense foliage of a potato crop in July could serve to prevent or even delay infection by *Phytophthora infestans*, or that the churning of seed barley with talc dust containing a small percentage of an organo-mercury derivative would prevent infection of the barley seedling by *Helminthosporia* species, the mycelium of which is already within the grain. Yet in both cases the control obtained is practically complete, a success which speaks well for the prospects of fungicides when more is understood of their action and of the factors contributing to their efficiency. Up to the present but one of these factors, the time of application, has been fully studied, for this time is determined by the life history of the pathogen relative to that of the host.

In recent years, however, attention has been paid to other factors affecting the efficiency of fungicidal treatments, such as the amount of fungicide retained on the treated plant or seed. The importance of this factor is obvious in the case of sprays or dusts applied to the growing crop. The fungicide so used has two main functions, either to kill the fungus by direct contact or to protect the foliage from fungal infection. For the first purpose, when a nonvolatile active constituent is used as a spray, the prime requirements are complete wetting and, against fungi such as the powdery mildews, penetration through the conidiophores to the mycelium, the vital part of the fungus.

As ability to penetrate is determined by the advancing contact angle of the spray against the fungal surface, this angle must be reduced to the minimum by the use of capillaryactive auxiliary spray ingredients or of a liquid exhibiting low contact angles on the surfaces concerned. In the case of the protective fungicide however, efficiency will be determined by the amount of protective initially retained by the foliage and its ability to remain in spite of the leaching action of rain and dew, a quality conveniently termed tenacity. Initial retention has been shown[2] to be determined by the receding contact angle of the spray on the foliage concerned and, given some degree of wetting, decreases markedly with increase in wetting power. If the spray wets the foliage perfectly, a uniform film is formed which drains, leaving but a fraction of the residue left by a spray of less perfect wetting properties which collects into drops. The addition of water-soluble surface-active auxiliaries in amounts necessary with the direct fungicide is, for this reason, disadvantageous in the protective fungicide, especially as such supplements, if stable to drying, will render the spray deposit more easily wetted by rain or dew and thus adversely affect tenacity.

Combination Sprays

To reduce the number of spray applications which the grower has to make per season, many attempts have been made to combine, in one spray, two or more fungicidal or insecticidal constituents. Usually the two sprays, at the concentrations normally used, have been mixed, but it is now evident from retention and penetration considerations that this method will be generally unsatisfactory when both direct and protective constituents are concerned. A variety of alternatives sidestepping this retention difficulty are available. The concentration of the protectant may be increased to give an adequate spray residue in spite of excessive draining, a method not likely to prove immediately popular to growers unless the amount of spray required per acre is reduced sufficiently to cover the additional cost of the increased concentration and of the surface-active component added as penetrant and wetter. The possibilities of this method will perhaps be explored when more experience has been gained of atomization as a method of spray application. The principle of this method is to use, instead of water as the carrier of the active spray ingredient, a liquid of low surface tension exhibiting low contact angles. Kerosene has up to the present been the only substitute tried, but aqueous solutions of surface-active materials, higher-boiling hydrocarbon oils or pine oils might be used. By virtue of low surface tension a mist of extremely fine droplets can readily be produced. Effective results are claimed for amounts of spray but one-fiftieth of those used in normal spraying.

References

[1] Howard, Sir A., Empire Cotton Growing Review, 1936, 13, 186.
[2] Evans, A. C., and Martin, H., J. Pomology, 1935, 13, 261.

(To be continued)

Lever Brothers and Unilever, London, plan to acquire the entire outstanding stock of the African East Trade Corporation has been accepted by holders of more than 90 percent of the stock.

Carbon Dioxide Research Committee Discusses Plans

At a recent meeting the general committee on carbon dioxide research of the American Institute of Refrigeration discussed the program of activity outlined for its immediate attention. The following represents the program that has been undertaken:—

Development of quantitative data covering optimum conditions of preserving foods in an atmosphere of CO_2 gas in refrigerated storage, display and transit; Cooperative research by those most affected in order to secure maximum information in minimum time and expense; establish fundamental information, with a view to patent protection for subscribers, leaving to the latter commercial exploitation for their specific needs; decrease cost of carbon dioxide by developing new and continuous outlets through the use of controlled gas concentrations in addition to and as a supplement to refrigeration.

Alexander Leith, jr., of the Dow Chemical Company, this city, underwent an operation July 31 for appendicitis. He is reported doing well in the Knickerbocker hospital, this city.

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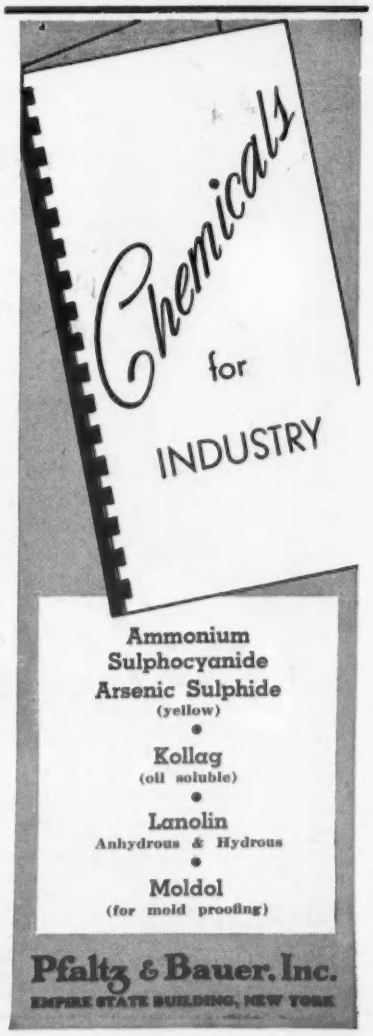

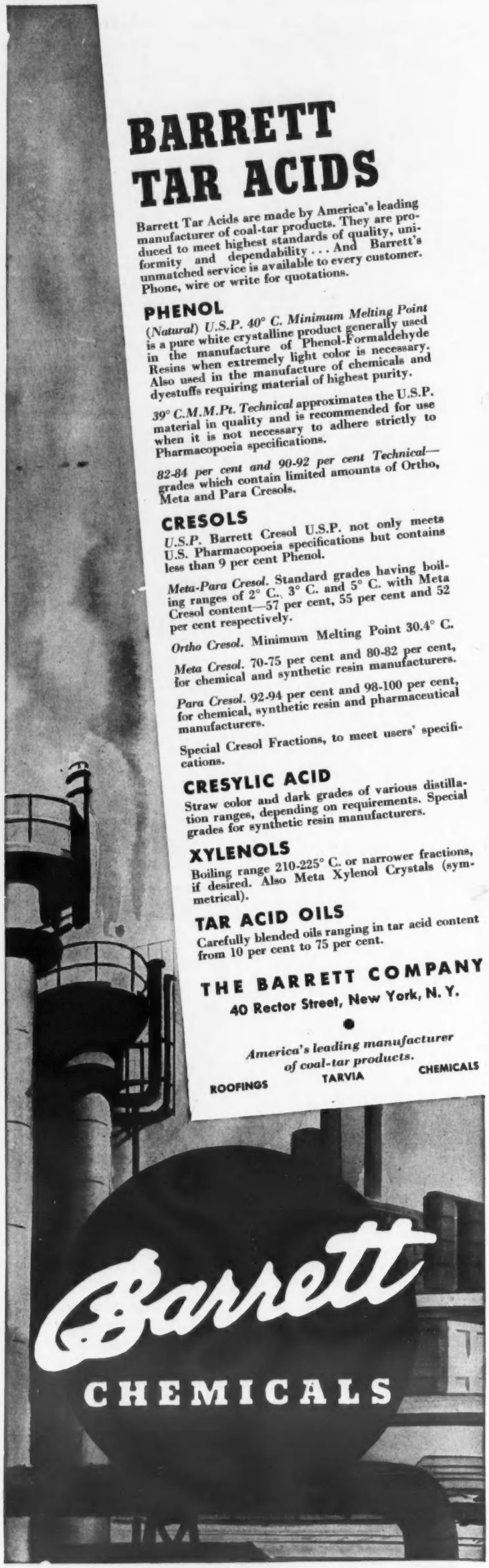
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PHENOL
(Natural) U.S.P. 40° C. Minimum Melting Point is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.
39° C.M.M.Pt. Technical approximates the U.S.P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopoeia specifications.
82-84 per cent and 90-92 per cent Technical—grades which contain limited amounts of Ortho, Meta and Para Cresols.
CRESOLS
U.S.P. Barrett Cresol U.S.P. not only meets U.S. Pharmacopoeia specifications but contains less than 9 per cent Phenol.
Meta-Para Cresol. Standard grades having boiling ranges of 2° C., 3° C. and 5° C. with Meta Cresol content—57 per cent, 55 per cent and 52 per cent respectively.
Ortho Cresol. Minimum Melting Point 30.4° C.
Meta Cresol. 70-75 per cent and 80-82 per cent, for chemical and synthetic resin manufacturers.
Para Cresol. 92-94 per cent and 98-100 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.
Special Cresol Fractions, to meet users' specifications.
CRESYLIC ACID
Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.
XYLENOLS
Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).
TAR ACID OILS
Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.
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America's leading manufacturer of coal-tar products.
ROOFINGS TARVIA CHEMICALS
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CHEMICALS

Coaltar Chemicals

Demand Holding at Fair Levels—Cresylic Acid Remains Spotty —Benzol, Toluol and Xylol Position Improves Moderately —Coaltar Colors Move Irregularly—Pyridin Firm

Activity in the market for coaltar chemicals held at fair levels during the past week. Considering the season of the year, many products entering industries that usually curtail operations were holding at a satisfactory basis. Inventories in most consuming lines were not considered burdensome, and replacement orders entered the market on a moderate scale for nearby needs. Basic products continued to move in an irregular manner. A steady interest was prevalent in coaltar acids and intermediates although volume was along conservative lines. Coaltar colors displayed improvement in some directions. Pricewise the market lacked any new developments and a steady to firm price tone prevailed.

Steel operations last week were slightly lower at 59.3 percent of capacity, compared with 60.6 percent in the preceding week, the high point for the year. Output was not expected to decline to any extent, but should show improvement a little later in the month. Production of benzol, toluol and xylol continue to display moderate improvement. Sellers were not encountering the difficulty experienced a few months ago, and domestic orders were taken care of promptly. There was little opportunity to build up stocks, however. A little business was uncovered in the export market, aside from the routine contract withdrawals. Creosote oil received a satisfactory amount of replacement business from major consumers. Spotty conditions were evident in the market for cresylic acid. Transactions in crude and refined naphthalene lacked any new feature. No renewed buying interest of consequence was disclosed in phenol, with the synthetic resin and plastic trade making only necessary replacements. Pyridin held firm. The disinfectant trade provided a steady call for tar acid oils.

Coaltar acids were mainly routine. Fumaric volume failed to expand and most consumers were not anticipating future requirements. Spot and contract withdrawals of maleic were held close to current production needs. Trading in intermediates was steady for small quantities as a rule. Anilin moved fairly well against contracts. Interest in dimethylanilin was along conservative lines. A firm tone prevailed in nitrobenzene. Coaltar colors for Fall moved well in some textile and leather consuming lines.

Production of phthalic acid and anhydride registered a decline of 39 percent in 1938 to 27,650,270 pounds from the 1937 output of 45,210,784 pounds. During these respective years domestic production of synthetic resins made from phthalic anhydride also showed a 36 percent drop to 37,563,840 pounds from 58,450,032 pounds.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.2	125.2	125.2	125.9

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Despite the increased production during the past few months, stocks were not excessive and demand was sufficient to absorb practically all the available material. Shipments so far this month were satisfactory, and expectations were that domestic needs would be taken care of. Export business was not large, with the exception of some routine withdrawals against contracts entered into earlier in the year. A firm price tone continued to characterize the trading. Steel operations last week dipped slightly to the 59.3 percent of capacity level, compared with a 1939 high of 60.6 percent made the preceding week. One month ago the rate was 38.5 percent which gave effect to the widespread shutdown over the July 4 holiday. In the corresponding week of last year operations were at 39.8 percent of capacity.

Carbazole.—Dyestuff and intermediate manufacturers were displaying modest interest in the market, and shipments were fairly steady. Price schedules were without change.

Coaltar.—Shipments against contracts held at routine levels throughout the past week. Quotations for the crude and refined grade underwent no change.

Creosote Oil.—Major consumers entered the market for replacements on a satisfactory scale during the past week. Volume was considered along seasonal lines and compared well with the same period a year ago. Sellers were adhering to quotations established some time previous.

Cresol.—A steady to firm price tone prevailed in the market for various grades last week. The call came from the synthetic resin, disinfectant and other miscellaneous sources for moderate quantities.

Cresylic Acid.—The synthetic resin and plastic trade were exerting a fair amount of interest for some grades of material. Demand from other sources were considered somewhat spotty, and usually held to nearby needs. Domestic price schedules were unchanged. Business in the imported material was not very broad, the market lacked any new developments as far as prices were concerned.

Naphthalene.—Transactions in this direction were little changed from the preceding period. A seasonal slacking was evident for the refined grade, while demand for the crude was strictly routine. Prices were without alteration. The market for the foreign crude was rather quiet, and prices were along the same lines established recently.

Oil, Shingle Stain.—There was no new developments of importance in the market last week. Demand was along seasonal lines, and prices held at the same levels.

Phenol.—Aside from necessary replacements, the market offered little in the way of renewed buying interest. The synthetic resin and plastic industry were entering the market for moderate quantities from time to time, while other consumers made routine purchases. Export business was not active. Prices were in conformity with those prevailing previously.

Pitch, Coaltar.—Business was not very active, and commitments were held to minimum proportions in most directions last week. No change was disclosed in the quotations.

Pyridin.—A firm price tone predominated in the market for the refined and denaturing grades, with sellers filling orders direct from production. There was a compartively small but fairly regular output of pyridin in Great Britain during the five year period preceding 1936, 80 to 90 percent of which went into the export trade. At that time, Japan was the principal buyer. Within the past two years, however, domestic demand for this product has increased markedly. The two main factors in the activity of the home demand were first, the introduction on the British market of a sulpho-pyridin drug and secondly, the appearance of a pyridin base water treating specialty.

Tar Acid Oils.—The disinfectant trade provided most of the demand, and withdrawals were fairly steady for moderate quantities last week. The market offered nothing new in the way of price developments.

Toluol.—A steady movement of material remained in evidence during the past week. Business was adequate to keep supplies of material at low levels, and the position of the market was firm.

Xylol.—Shipments to the surface coating trade continued satisfactory, sellers

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

were able to supply domestic requirements. Prices remained firm.

Chicago Coaltar Bases

Demand continues good for representative grades of coaltar bases, and tone accordingly is steady. The somewhat increased supply of material coming upon the market in consequence of the larger scale of operations in the steel industry apparently has not as yet had the effect of softening the structure. Benzol is moving out comparatively well. Ruling prices exclusive of tax are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 29c.; solvent naphtha, 26c; creosote oil, grade 1, 13c. to 14c.

Coaltar Acids

Anthranilic.—Quotations for the refined and technical were unchanged, and a firm tone characterized the trading. Business was confined to modest quantities as a rule.

Broenner's.—Usual consumers were entering the market for necessary replacements last week. Pricewise a firm tone predominated.

Cleve's.—Transactions were not very broad during the past week, and consumers were content to order close to production requirements. No change occurred in the prices.

Fumaric.—A moderate interest was reported in this direction, but the majority of consumers were not anticipating future needs. Prices were without change.

Maleic.—Demand was not expanding to any extent during the past week. Contract and spot withdrawals were fairly steady to cover current needs. Prices were unaltered.

Succinic.—A firm tone governed the dealings in the market last week. Shipments were moving at an irregular pace.

Sulphanilic.—No new developments of consequence entered the market. Sellers were adhering to prices in force previously. Buying was regarded as satisfactory, but usually restricted in volume.

Other Intermediates

Alphanaphthylamine.—Business was along routine lines. There was nothing new to report in the prices, and a steady to firm tone remained in evidence.

Anilin.—Shipments against contracts provided most of the business, and most consumers were displaying a conservative purchasing policy. Quotations ruled firm.

Betanaphthylamine.—Demand for the technical grade was only fair. No change occured in the prices.

Dimethylanilin.—Buying interest was moderately active during the past week, although consumers were making purchases when needs became urgent. Prices held unchanged.

Dinitrobenzene.—A firm price tone prevailed in this direction. Sellers could point to a steady demand for quantities commensurate with current production requirements.

Dinitrophenol.—The market lacked any new developments of importance. Trading was spotty and prices in line with those established some time ago.

Dinitrotoluene.—While business failed to broaden to any degree, a steady demand from usual consuming channels gave the market satisfactory support. No change was disclosed in the quotations.

Metatolulenediamine.—Trading was confined to small quantities as a rule in the market last week. Prices were in line with those established some time ago.

Nitrobenzene.—The market fully retained its firm position. Withdrawals against contracts and in the spot market were moderate.

Orthotoluidine.—Business was somewhat spotty, however, sufficient interest was exerted from time to time to give the market a firm tone.

Paratoluidine.—Interest in the market was mostly routine, and volume

—Continued on page 38

Foote Mineral Engages Kuehl

Frederick G. Kuehl has joined the Foote Mineral Company, manufacturer of chemicals, metals and mineral products, Philadelphia, as a construction engineer. Mr. Kuehl graduated from the Columbia School of Mines in 1930 and for past few years he has been working in South America.

Housing Fund Expansion Blocked by House Vote

—Continued from page 5

The killing of the bill to increase the bonded indebtedness of the United States Housing Authority, while it will substantially impair the housing program, will not stop it. About two months ago Congress passed and the President signed a bill extending the Federal housing act until July 1, 1941, and increasing to $4,000,000,000 the amount of mortgage insurance that the housing authority might have outstanding at one time. That law also provides for continuation of insurance of loans for property improvement.

The actual effect of the refusal to authorize an additional housing indebtedness of $800,000,000 will depend on the needs for additional capital which the United States Housing Authority may meet during the existence of the housing act.

Lamme Scholarship Awarded To George W. Jernstedt

George W. Jernstedt, a chemical engineer of the Meter Division, Westinghouse Electric & Manufacturing Company, Newark, N. J., has been awarded the Benjamin Garver Lamme Graduate Scholarship for the year 1939-40. The recipient is twenty-three years of age.

The scholarship provides $1,500 tuition and expenses for advanced study. Mr. Jernstedt, who has been connected with Westinghouse since 1936, will devote graduate study to the fundamentals of the electroplating of copper and its alloys with beryllium. He has not yet chosen the educational institution he will attend. He is a graduate of Newark College of Engineering.

The Benjamin Garver Lamme Graduate Scholarship is awarded annually by the Westinghouse Company to one of its young engineers, chosen by a committee on the basis of scholastic attainment, capacity for achievement and personality. The award is made in honor of the late Dr. Lamme, who at the time of his death in 1924, was chief engineer for the Westinghouse company.

Freight Classification Revision Underway

The National Paint, Varnish and Lacquer Association is in receipt of an announcement from the classification simplification committee organized under the auspices of the Association of American Railroads, that A. H. Greenly, E. H. Dulaney and W. P. Prendergast, as a committee of three, are undertaking the work of revising the present Consolidated Freight Classification, and inviting criticisms and suggestions, according to E. A. Leveille, chairman of the traffic committee.

Mr. Leveille said the committee would like to have suggestions from shippers for changes they think would condense and simplify the classification; eliminate or change the package or containers prescribed; or change the form of classification so as to be more readily understood.

The traffic committee of the National Paint, Varnish and Lacquer Association plans, according to Mr. Leveille, to collect suggestions and then call a meeting to which all interested will be invited, to discuss and formulate a program that will assist the railroad committee in accomplishing the reforms to which its energies are directed. A complete revision of the classification, Mr. Leveille said, is not undertaken more than once in twenty years, and the opportunity here presented for the accomplishment of constructive reforms of wide significance will not occur again in a generation.

J. J. A. Winzenried, traffic manager of the Devoe & Raynolds Company, suggested that it would be an economy of time and energy for all concerned if the paint and varnish shippers would clear their suggestions through their own traffic committee, so they can be analyzed and condensed, and presented as the collective and considered views of the industry.

Citizens Gas & Coke Utility, the municipally-owned manufactured gas system at Indianapolis, Ind., has ordered a Koppers seaboard process liquid purification plant for its Prospect street works.

UNIFORM
DEPENDABLE
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KOPPERS
Coal Tar Solvents

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SOLVENT NAPHTHA—INCLUDING HIGH FLASH

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OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling. Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous-base Paints . . . Coal . . . Coke . . . Tanks and Tank Work . . . Removal and Recovery Systems . . . Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

Coaltar Chemicals

Other Intermediates

—*Continued from page 37*

was not very heavy. No change was reported in the prices.

Phthalic Anhydride.—Shipments to the synthetic resin, plastic and other consumers were irregular, but necessary replacements were coming in from time to time to give the market ample support. Prices ruled firm.

Schaeffer's Salt. — Dealings were strictly routine throughout the past week. Prices were unchanged.

Xylidin, Mixed.—Consumers entered the market for moderate quantities to take care of nearby requirements as a rule. Quotations were in line with those prevailing previously.

Coaltar Colors

Business in the market for various coaltar colors was irregular last week. Fall colors were moving out in satisfactory volume in some textile and leather consuming lines, while others continue to mark time. Prices were fully maintained, and the market fully retained its firm tone. Leading coaltar color manufacturers have supplied data on the primary colors submitted for certification under the new Food, Drug and Cosmetic Act. Although the effective date for the use of such colors has been postponed until January 1, 1940, cosmetic manufacturers have been anxious to secure their supplies as soon as possible in order to have the finished products comply with the law on that date.

Ordinary anilin dyes, chiefly those of low price, imported in more or less equal quantities from the United States and Germany, were employed during 1938 in Cuban textile, weaving and knitting mills. American and German products competed on equal terms as regards most dyes, but Germany was the chief supplier of sun-fast dyes, fast indigoes, certain browns and others. The volume of sales of American dyes was slightly greater in 1938 than in 1937, although the total value of imports was lower.

Koppers Co. Appoints Denig Research Head

Pittsburgh, Pa., Aug. 2, 1939

Fred Denig, vice-president of Koppers Company engineering and construction division, has been appointed to the newly created post of Director of Research and Development for all companies and divisions of the Koppers group of companies. These include Koppers Company and Eastern Gas and Fuel Associates, their divisions and subsidiaries.

Born in Laporte, Col., in 1896, Mr. Denig received his chemical engineering degree from Rensselear Polytechnic Institute in 1919. He obtained his M. S. from the same institution two years later. Mr. Denig started his business career with H. L. Doherty & Co. as an assistant to the chief technician, remaining with that organization from 1919 to 1921, when he joined the Koppers Construction Company. He was superintendent of the Philadelphia Coke Company from 1928 to 1930, after which he was made general superintendent of the Koppers Construction Company, a post he held until 1931, when he was named vice-president of the construction unit. He was elected vice-president of the Koppers Company in 1935.

Japanese Chemical Exports Show Sharp Increase

Imports of chemicals and allied products into Japan during the January-April period were valued at 35,398,000 yen ($9,900,000), a sharp drop from the imports during the corresponding periods of 1938 and 1937. The curtailment of imports has been made possible to some extent by the increased domestic output of certain chemicals, but primarily to the import restrictions on all items not urgently required for the munitions industries and other closely allied industries, according to the Department of Commerce.

The increase in the value of exports of chemicals from Japan during the first four months of the current year to 36,583,000 yen from 25,781,000 yen in the corresponding period of last year, is almost entirely the result of heavier shipments to the yen-bloc areas. Complete details concerning the countries of destination are not available, but the official foreign trade returns of Japan show that during the four months of 1939, at least 70 percent of the value of the total shipments were destined to China (excluding Hong Kong), Kwantung Leased Territory, and Manchuria.

American Cyanamid Earnings Increased in First Six Months

Operation of the American Cyanamid Company and its subsidiaries in the first six months of this year resulted in a net income of $2,149,714 after depreciation, depletion, income tax and other charges. After dividend requirements on the preferred stock, the income is equivalent to 80 cents a share on 2,618,369 common shares. The net income for the corresponding six months of last year was $524.649, or 19 cents a common share. The consolidated net income does not include the company's equity in the undistributed net income of certain affiliated companies in which the company does not have a majority interest.

Monsanto Earnings Rise

The net income of Monsanto Chemical Company, St. Louis, for the second quarter of 1939, after all charges, was $1,040,678. After deductions for preferred dividend requirements and minority interests, 72 cents a share was earned on the 1,241,712 common shares outstanding on June 30, 1939. This compares with net earnings for the second quarter of 1938 of $555,424, or 37½ cents a share on the 1,241,816 common shares then outstanding.

Earnings for the first six months of 1939 were $2,280,577, which is equivalent to $1.60 a share after provision for preferred dividend requirements and minority interests. Earnings for the comparable period in 1938 were $1,224,734, or 85 cents a share.

Sales for the first six months were approximately 30 percent better than in the first half of 1938. Second quarter sales held even in comparison with first quarter volume.

E. M. Queeny, president of the company, commenting, in his letter to stockholders for six months ended June 30, said in part:—

Chemical operations of company are in a relatively satisfactory profit position, but due to process changes plastics activities are again unprofitable. There is continued uncertainty regarding future business conditions in the minds of purchasers of chemicals and industries to which we sell a major portion of our plastics production have the additional hazard to stable consumption of serious labor difficulties.

Fort Wayne Corrugated Paper Company, Indiana, has acquired the Brack Container Corporation, Rochester, N. Y.

Books You Can Use

Chemical Pioneers

Chemical Pioneers. By Williams Haynes. Cloth; 288 pages, 5½ by 7¾ inches. New York: D. Van Nostrand Company. $2.50.

This volume, in an entertaining manner, tells the story of fifteen men, from whose dreams, and by whose perseverance, have developed companies which today form an important part of the American chemical industry. The biographical sketches constitute not only the story of each of these pioneers, but the history of the industry. John Winthrop, jr., George D. Rosengarten, Martin Kalbfleisch, Alexander Cochrane, James Jay Mapes, Eugene R. Grasselli, George T. Lewis, Lucien C. Warner, Edward Mallinckrodt, August Klipstein, E. C. Klipstein, Martin Dennis, Jacob Hasslacher, John F. Queeny, Frank S. Washburn, and Herbert H. Dow are the rugged individualists memorialized.

The book points out that it was these men who, endowed with courage and determination, laid down the foundations of the industry which is now replacing a mechanical economy by a new chemical economy. Through the work is gained an insight to the relationships existing in the industry to this day; the ancient rivalries, the long standing alliances, and the reason for the directional development of certain organizations are interestingly narrated.

Molybdenum Process Gives Black Electroplated Coating

A new process and reagent for producing a black electroplated coating on metallic articles have been developed by E. I. duPont de Nemours & Co., Wilmington, Del. The plating solution contains essentially ammonium molybdate, nickel sulphate, and boric acid.

The new development was described by R. A. Hoffman and R. O. Hull, of the duPont company, in a paper, "Electrodeposition of Black Molybdenum Finishes," presented at the recent annual meeting of the American Electroplaters Society. The authors said that, although efforts had been made to use molybdenum compounds to produce colored electrodeposits, no previous process had used molybdenum in combination with nickel. The duPont process, they said, gave a highly lustrous, deep black deposit.

E. M. Kalb, manager of the Baltimore office of the American Potash & Chemical Company, is vacationing in Missouri.

Sharkliver oil is being produced and refined in a recently opened plant in Portnacuill, near Carradole, Kintyse, Scotland. Operations so far are on a relatively small scale.

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has these exclusive features which increase your production, cut processing costs and assure you a better product

Here is a Benzol free from injurious corrosive compounds — that will keep your stills running on a continuous maximum production basis — with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol — always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed — Freezing Point 5.30° C — Boiling Range, less than 1° C — Bromine Index 3.

Write us on your letterhead and we shall be glad to send you a free sample of J & L CXP Benzol.

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AMERICAN IRON AND STEEL WORKS
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MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850
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NAPHTHENIC ACIDS
● CRUDE, SEMI-REFINED AND FULLY REFINED GRADES AVAILABLE IN VARIOUS ACID NUMBER RANGES
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For VARNISHES • INKS • ENAMELS
P.H.O. SYNTHETIC ANTI-SKINNING AGENT
● Pale Lemon Color ● Mild Odor
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Dyestuffs, Textile and Leather Chemicals

Domestic Egg Albumen Prices Reduced—Egg Yolk Unchanged —Raw Tanning Materials Dull—Corn Derivatives Easy —Bichromates Moderately Active—Logwood Firm

Business in the market for dyestuffs, textile and leather chemicals was narrow last week. Consumers made commitments close to production requirements in practically all instances. Bichromates moved satisfactorily in the chemical division. Volume in natural dyestuffs was not large. Raw tanning materials were quiet, although extracts moved fairly steady. Sizing materials were dull. A further decline in domestic egg albumen provided the market with the only price development.

Demand for egg albumen remained sluggish, and sellers lowered prices for the crystal and powdered material, however, this was not followed by the imported product. Egg yolk quotations held the same, but the appearance of foreign material was a disturbing factor. In past years, China has been our chief source of supply of dried egg products, but because of unsettled conditions in that country, imports from China have fallen off to extremely low levels. During the first five months of 1939 imports have been arriving at a lower rate than for some time.

Corn derivative prices held unchanged, and despite the recent reductions, the further decline in the basic commodity reflected in an easy tone and made buyers cautious. Quotations for raw tanning material failed to change again, buying of mangrove bark, myrobalans and sumac was restricted. Logwood, cochineal, fustic and archil were taken moderately. Zinc dust remained firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

Albumen, egg, dom., 2c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
134.1	135.7	136.0	151.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business was spotty in the market last week, and most consumers adhered to a conservative purchasing policy. Quotations were unchanged.

Ammonia Acetate.—The market retained a firm price tone, buying was chiefly confined to small lots during the past week.

Potash Bichromate.—Movement of material to consumers and resellers was about routine, and no particular expansion in business was evident. Prices ruled firm.

Potash Prussiate. — Commitments were held close to nearby needs as a rule. Quotations were in conformity with those prevailing previously.

Soda Bichromate.—Interest from textile and leather consumers was regarded as satisfactory, although some irregularity in the demand was discernible. No change was disclosed in the quotations.

Soda Prussiate.—Spot and contract quotations held steady to firm. Transactions were about fair during the week just ended.

Zinc Dust.—A firm price tone prevailed in the market, and higher quotations established the preceding period were well sustained. Business was along moderate lines.

Dyestuffs

Annatto. — The market lacked any particular feature insofar as trading was concerned, and small quantities usually made up the call. Prices were unchanged. Total exports from Jamaica during 1938 were 883,590 pounds, valued at $48,190, compared with 916,000 pounds, valued at $61,100 in the preceding year. During 1938 the United States received 279,704 pounds, against 307,680 pounds in the previous year.

Archil.—Buying of various grades was held to moderate proportions during the week just ended. Prices were firm.

Cochineal.—There was little expansion in business although usual consumers supplied the call for nearby needs. Sellers adhered to quotations in force previously.

Fustic. — Tanning and textile trade displayed a routine interest in this direction. No change occurred in the prices.

Logwood. — A steady to firm price tone characterized the trading. Demand was spotty.

Sizing Materials

Albumen, Egg.—Domestic quotations were lowered 2c. per pound making crystals 58c. to 62c. per pound and powdered 63c. to 67c. per pound. Imported prices held at the 63c. to 65c. per pound level. Business was quiet. Production of dried egg products in the United States during 1938 amounted to 6,001,590 pounds, according to the Poultry Section of the Department of Agriculture. This total is composed of 1,509,647 pounds of dried albumen. This is the largest quantity of dried egg products ever produced in the United States since the egg drying industry began production on a commercial scale in 1927. The 1937 production of dried eggs totaled 2,391,382 pounds.

Dextrin. — No further price concessions were registered in the market, although the undertone was still easy as the result of the declining corn market. Business was irregular. Hot and dry weather caused sufficient damage in the States outside of main corn belt in the last month to result in private estimates revising total crop to the extent of 54,000,000 bushels to 2,517,000,000 bushels. Last year's harvest was 2,542,000,000 bushels.

Egg Yolk.—Domestic quotations held at the 59c. to 62c. per pound level. Price for foreign material ranged around 55c. per pound. There was little renewed buying interest. Production of domestic dried yolk during 1938 amounted to 4,313,209 pounds, according to the Poultry Section of the Department of Commerce.

Starch.—The tone of the market was none too firm, despite recent reductions. The market for the basic commodity lacked stability, and prices were still declining. Buyers were pursuing a cautious purchasing policy in view of the recent unsettlement.

Tanning Materials

Gambier.—Quotations for the common, plantation and Singapore cubes held at the same level, and the tone of the market was about steady to firm. Business was only fair.

Mangrove Bark.—Prices for the fibrous and non-fibrous material held at the same level. There was not a great deal of interest manifest in the market.

Myrobalans. — Quiet trading prevailed in the market last week. Sellers were adhering to quotations established previously.

Quebracho. — A moderate demand was evident in this direction last week. Quotations were unchanged, and the tone of the market was firm.

Sumac.—There was little feature to trading in the market, with commitments usually restricted to nearby needs. Prices ruled unchanged.

Valonia.—Quotations for the beards and cups were unchanged, and a steady tone prevailed. Dealings were not very active, with most consumers ordering on a hand-to-mouth basis.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Hartsville Dye Hearing On Reorganization Aug. 28

Hartsville, S. C., Aug. 1, 1939

Arguments on an appeal from a ruling of Federal Judge Myers, Charleston, S. C., in the reorganization case of the Hartsville Print & Dye Works has been scheduled to be heard before the United States Circuit Court of Appeals, Asheville, N. C., August 28.

Sales Tax in U.S. Parks Favored in Congress

OPD Washington Bureau August 3, 1939

A bill (H.R. 6687) to permit the application of State sales taxes upon the sale of tangible personal property made in national parks and other reservations of the Federal government has been passed by the house and favorably reported by the senate committee on finance. The bill would not apply to sales made to instrumentalities of the Federal government, but would lift the immunity from State sales taxes claimed by concessionaires operating in Federal reservations.

J.G. Maier Made President Of American Printing Ink

J. George Maier has been elected president of the American Printing Ink Company, Cincinnati, succeeding to the vacancy created by the retirement of Edgar A. Levison who headed the company since its inception in 1904. Mr. Maier was formerly president of Schwarm & Jacobus, ink manufacturer, Cincinnati. C. W. Pohlman, who was also associated with the Schwarm & Jacobus organization, has been named vice-president in charge of production and research. Carl A. Huether, formerly vice-president and secretary, has been made secretary-treasurer.

Corn Sugar Status Under Drug Act Defined

OPD Washington Bureau August 2, 1939

The U. S. Department of Agriculture has announced that in formulating definitions and standards for foods it will recognize, where the evidence of record justifies, the optional use of sugar and dextrose without label declaration of their presence. The text of the department's statement, made by Secretary Wallace on July 25, follows:—

On December 26, 1930, Secretary Arthur M. Hyde issued the following ruling on the status of corn sugar under the Federal Food and Drugs Act of June 30, 1906:—

"Corn sugar when sold in packages, must be labeled as such; when sold in bulk must be declared as such; but the use of pure refined corn sugar as an ingredient in the packing, preparation or processing of any article of food in which sugar is a recognized element need not be declared upon the label of any such product. Nothing in this ruling shall be construed to permit the adulteration or imitation of any natural product such as honey by the addition of any sugar or other ingredient whatever."

The effect of this ruling, issued under the Food and Drugs Act of June 30, 1906, expired with the repeal of that law on June 25, 1939. It is the purpose of the department in the formulation of definitions and standards for food to recognize, where the evidence of record justifies, the optional use of sugar and dextrose, refined corn sugar, without label declaration of either.

Champion Paper & Fibre Company, Canton, S. C., has called for payment at 102¾ and interest $89,000 of its 4¾ percent sinking fund debentures, 1938 issue, at the Chemical Bank & Trust Company, New York.

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Paint, Varnish, Lacquer Materials

Pig Lead Advanced Twice in Week—Red Lead, Litharge, Orange Mineral Also Increased—Aluminum Powder and Paste Reduced —Varnish Gums Down—Rosin Sales Resumed by C.C.C.

The domestic price of pig lead was advanced last Monday and again on last Thursday. The advances were believed justified by strong support from the London Metal Exchange, where quotations were in a firm position. The price advances apparently did not discourage consumers who ordered out supplies of the metal in good volume throughout the week.

A principal result of the lead advance was a good increase in the prices for red lead, orange mineral and litharge in barrels. Material in containers smaller than barrels was not affected. Zinc oxides had as yet not been revised as a result of the change in the slab zinc price two weeks ago.

Another highlight of the market for raw paint materials last week was a reduction in the quotations for some grades of aluminum powder and paste. Casein continued to be in heavy demand and suppliers were still contemplating another increase. Titanium sales volume was falling off again, while earth and chemical colors were routine. Four types of varnish gums were reduced. Quicksilver vermilion prices were also lower.

Rosin prices had a downward trend at times, the easier tone being due to a falling off in demand from domestic buyers following an announcement from Washington that the C.C.C. had decided to resume sales of rosin held by the government under loans to producers. Turpentine was steady with demand rather quiet.

The value of paint, varnish, lacquer and fillers sold in June amounted to $38,504,857, compared with $41,053,977 in May, and $33,936,706 in June, 1938. The value of plastic paints sold during June amounted to $42,684, against $45,332 in May and $42,947 in June, 1938. The value of coldwater paints sold in June was $536,383, against $567,739 in May, and $368,529 in June of last year. The value of calcimines totaled $281,258 in June, $305,023 in May, and $242,544 in June, 1938. Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners for the first quarter of 1939 totaled 10,613,936 gallons, valued at $13,283,875, compared with 7,981,566 gallons, valued at $10,209,757, sold during the corresponding period of 1938. Comparative figures issued by the Department of Commerce will be found elsewhere in this issue.

New orders for architectural terra cotta used for exteriors during the first six months of this year totaled 9,695 short tons, valued at $994,954, according to the Department of Commerce. This represents a 30 percent increase over the corresponding period of 1938, when 7,433 tons, at a value of $817,431, were ordered.

Construction activity in the first six months of this year was 30 percent larger than in the like 1938 period, the Department of Labor reported. New residential building in 2,006 cities was up 47 percent, while non-residential construction was 20 percent higher, and additions, alterations and repairs were up 8 percent. Permits were issued from January 1 to July 1 for $1,031,212,000 of construction, including $556,253,000 for new homes, $229,826,000 for non-residential construction, and $173,133,000 for additions, alterations and repairs.

In view of the restrictions in force on the distribution and use of zinc oxide by paint manufacturers in Japan, increasing attention has been given to the production of titanium dioxide by Japanese chemical firms during recent months. One large company has completed a plant with a monthly capacity of 150 metric tons and has just announced plans to double this output in the near future. Self-sufficiency in titanium dioxide is anticipated by the domestic paint industry when the expansion scheme of this company is completed.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Lead, pig., dom., $4 per ton, E. St. Louis.
red, dry, bbls., dlvd., ¼c. per lb.
Litharge, bbls., dlvd., ¼c. per lb.
Orange mineral, bbls., dlvd., ¼c. per lb.

Reduced

Aluminum, paste, lining, extra fine, 2c. per lb.
ink, 2c. per lb.
standard, 3c. per lb.
powder, varnish, standard, 2c. per lb.
Gum, copal, Loba D, ½c. per lb.
CBB, ½c. per lb.
Dammar, C, ½c. per lb.
A/D, ½c. per lb.
Red, vermilion, quicksilver, 4c. per lb.
Rosin, gum, medium grades, 10c. to 25c. per 280 lbs.
Turpentine, gum, ½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.2	131.2	131.2	131.1

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The domestic price of pig lead was advanced 10 points last Thursday. Coupled with the advance of 10 points on Monday, this made a total advance of 20 points per pound, or $4 per ton. The present price is a new high for 1939 and is only 5 points under the 1938 high. It is 30 points above the 1939 low. The advance last Monday was prompted by a strengthening of the metal on the London Metal Exchange and a heavy demand. Following the increase, demand was still exceptionally heavy and the second price rise was predicted in many quarters the day before it actually took place. Counting sales of lead last week, August requirements of consumers are reported to be about 80 percent covered. Demand for September delivery was also good.

The zinc market was quiet last week with the price firm at the higher level set two weeks ago. The lighter activity was generally expected, due to the surprisingly heavy volume of sales that appeared the week before. This, coupled with heavy sales during July, indicated that consumers had enough stocks for immediate requirements. The London Metal Exchange continued to show firmness although no gains were made.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from July 29 to August 4, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0485@.0490	$0.0470	14 7 6
Monday	.0495@.0500	.0480	15 1 3
Tuesday	.0495@.0500	.0480	15 6 3
Wednesday	.0495@.0500	.0480	15 7 6
Thursday	.0505@.0510	.0490	15 18 9
Friday	.0505@.0510	.0490	16 1 3

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from July 29 to August 4, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500	$0.0460	14 12 6
Monday	.0500	.0460	14 12 6
Tuesday	.0500	.0460	14 8 9
Wednesday	.0500	.0460	14 10 0
Thursday	.0500	.0460	14 11 3
Friday	.0500	.0460	14 10 0

Pigments

The advances made last week of prices for domestic pig lead were reflected in the market for certain materials in this division of the raw paint trade. Red lead, litharge and orange mineral were all advanced. Zinc oxide business was better than expected, but titaniums continued to slacken.

Litharge.—Commercial powdered material in barrels was advanced ¼c. per pound. The new prices were as follows:—20 tons or more, delivered, 6.60c. to 6.85c. per pound; five tons to 20 tons,

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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7c. to 7¼c. per pound; and smaller lots, 7½c. to 7¾c. per pound. Prices of material sold in smaller containers than barrels were not effected. For specific delivery point price see the current market quotations, beginning on page 4.

Orange Mineral. — The American product in barrels was advanced ¼c. per pound. New prices were as follows:—Five tons or more, delivered, 10½c. to 11½c. per pound; smaller lots, 11c. to 11¾c. per pound. Prices of material sold in smaller containers than barrels were not effected. For specific delivery point prices see the current markets quotations, beginning on page 4.

Red Lead.—The three grades of dry material were all advanced ¼c. per pound. The dry, 95 percent or less Pb_3O_4 in barrels was advanced to the following schedule:—Car lots, delivered, 7.60c. to 7.85c. per pound; five tons, 8c. to 8¾c. per pound; and smaller lots, 8½c. to 9¼c. per pound. For 97 percent Pb_3O_4 material in barrels the new prices were 7.85c. to 8.10c. per pound in car lots; 8¼c. to 9c. per pound for five tons up to car lots; and 8¾c. to 9½c. per pound for smaller lots. For 98 percent Pb_3O_4 material in barrels the new prices are 8.10c. to 8.35c. per pound in car lots; 8½c. to 9¼c. per pound for five tons up to car lots; and 9c. to 9¾c. per pound for smaller lots. The prices of material sold in containers smaller than barrels were not effected. For specific delivery point prices see the current market quotations beginning on page 4.

Titanium Pigments.—The interest of buyers of this material continued to slacken during the period under review. Volume of sales to date this year has been much better than in the corresponding period last year. Since the latter part of July, however, business has definitely shown signs of sluggishness. Prices continued at the quoted levels.

White Lead.—Despite the advance made in the price of pig lead, the quotations on this pigment were unaltered at the close of last week. There was only a small demand reported by suppliers and shipments were small.

Zinc Oxides.—A good market tone was in evidence and the trade was characterized by what might be called briskness considering the time of year. Major suppliers reported that demand was much better than was expected and shipments were steady and in good volume. The advance in the price of slab zinc two weeks ago had as yet failed to be reflected in the market for these pigments.

Fillers and Extenders

The market for inert pigment and extender products was without feature during the past week. Shipments were small in volume. No prices were changed.

Barytes.—Domestic suppliers and importers were feeling Summer slackness last week. Demand was light and prices firm.

Blanc Fixe.—Small buying interest was in evidence and the price continued at $60 per ton for the dry, by-product material in car lots, and $75 per ton for the high-grade, precipitated in car lots.

Mica.—Demand was routine, with prices steady and unchanged.

Bronze Powder

Aluminum Paste.—This paint ingredient was being offered at lower prices last week. The standard grade was reduced 3c. per pound to a level 40c. in 200-pound drums. Extra fine lining paste was reduced 2c. per pound to 63c. in 200-pound drums, and extra fine lining ink paste underwent a similar reduction to 73c. per pound in 150-pound drums.

Aluminum Powder.—Standard varnish powder was reduced 2c. per pound to a new level of 40c. in 300-pound drums.

Varnish Gums

Varnish gum consumers continued to be sluggish in regard to purchases last week but the outlook for future ordering brightened slightly. A fair inquiry for Fall delivery appeared and suppliers were more optimistic. The spot demand remained at a low level, however, and the result was reductions in two types of copal gums and two types of dammars.

Copals.—Loba D material was reduced ½c. per pound to 8⅜c., while Loba CBB was lowered ⅝c. per pound to 8⅛c. Reports from abroad mirrored the domestic situation. Buyers were ordering only enough material to cover immediate needs and seemed anxious to keep inventories at a low level. Shipments were in small-sized lots only.

Dammars.—The C product was reduced ⅝c. per pound to 13½c. and the A/D was lowered ⅞c. per pound to 12¾c. Dammar prices had held fairly steadily for several weeks, last week's reductions being the first in more than a month. The steady price was not indicative of the true condition of the market, however, as demand had not been of large proportion. No pick-up was witnessed during the period under review, demand remaining slack. Shipments were small and were ordered only to cover prompt needs.

Synthetic Resins

The market for ester gum continued in its usual Summer groove last week with demand light and shipments small. Consumers remained inactive and showed little interest in offerings. Local suppliers continued to quote 6¼c. to 6¾c. per pound for shipments of 10,000 pounds or more. Smaller lots were quoted at 6½c. to 7c. per pound.

Dry Colors

The market continued rather spotty during the period under review but both chemical and earth colors have shown a slight improvement since the slack that prevailed in the latter part of last month. Carbon black continued to be the pace-maker in this division of the market last week with shipments heavy and orders appearing at a good rate on each day. No prices were changed and all appeared firm.

Carbon Black.—Daily regular ordering in good volume gave further strength to the market for this material during the period under review. Rubber tire manufacturers continued to demand large supplies in view of the estimated increase in the production of tires this year. June sales of carbon black were at an exceptionally high level, but several quarters predicted that when the July figures are compiled it will be seen that last month's sales volume exceeded that of the previous month. Based on market conditions last week it appears that the August sales will hold to this high level, although few suppliers expect August orders to be as high as the two previous months. Despite the heavy demand for carbon black, the price continued at a low level and it was doubted that any advance will be made in the near future. Total imports of carbon black into the United Kingdom during the first three months of this year amounted to 7,504 tons, a sharp increase over the 4,691 tons registered during the corresponding period of 1938. The United States was the main source of supply and direct importations of this material amounted to 7,095 tons in the first quarter of 1939, against 4,245 tons in the corresponding period last year.

Carmine.—The No. 40 material continued in routine fashion last week with no gains in either demand or shipments being seen. The price held fairly firmly to the previous levels, which was $4.50 per pound for 500 pounds or more in one-pound containers and $4.35 per pound in drums. One-hundred pound lots in drums were offered at $4.45.

Chrome Yellow.—There have been no changes in the market for this color since last reviewed. Suppliers were feeling seasonal sluggishness and orders were down to a minimum. Inquiries for future delivery were more noticeable but were still at a low level. Price-wise there was no change.

Mercuric Oxide.—Suppliers of the technical grade continued to quote $1.56 per pound. The interest of consumers was still sluggish, however, and material was being shipped very irregularly. The previous week's small pick-

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up in demand failed to hold and apparently was just for covering immediate needs.

Ocher.—The market was without feature. Demand was light and shipments remained small. The price continued steady at the quoted level.

Vermilion.—Continued weakness in the quicksilver market led to further reductions in the quotations of English vermilion last week. The price for five tons or more was reduced 4c. per pound to $1.55, while the quotations for smaller amounts suffered a similar reduction to a level of $1.58 to $1.62 per pound.

Ultramarine.—About the same tonnage went into consumption as the previous week and prices were firm for all grades.

Driers

The spot demand for stearates, palmitates and other materials in this division of the raw paint market was very light last week. The market was characterized by dullness and disinterest on the part of larger consumers. A small amount of material was called out on contract but this was so small in volume that it had no effect on the general market. Prices continued firm at the quoted levels.

Naval Stores

The chief event of the week in the naval stores situation was the resumption of sales of rosin by the C. C. C. The announcement from Washington of this action on the part of the government bureau came as a surprise in view of the fact that most grades of rosin, despite the recent sharp upturn in dark descriptions, were still below the loan values. Following the announcement that deliveries from the government stocks would be resumed to the extent of 50 percent of sales by distributors, an easier undertone developed in Southern markets for rosin, the tendency of some grades being downward, with a slowing down reported in demand from consumers and dealers.

Quieter conditions prevailed in Southern markets for rosin and turpentine so far as new business was concerned. There were reports to the effect, however, that the movement into consuming channels was holding up rather well for this period of the year, this applying to both rosin and turpentine. In the case of the latter commodity, the opinion still existed in some quarters that consumption for the current season would show an increase over the previous year. The export inquiry for rosin remained slow. Receipts in Southern markets continued to run below expectations and daily offerings were light, with a shortage still noted of the lower grades of rosin.

Turpentine.—The local market was a rather quiet affair last week. In some quarters a fair inquiry was noted, but purchases were generally limited to comparatively small quantities to fill the current requirements of consumers and dealers. The prevailing tone was steady.

SAVANAH, Aug. 4.—The tone of the turpentine market remained steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday...	..	...	...	...	.....
Monday.....	24	173	283	211	27,273
Tuesday....	24	158	555	75	27,753
Wednesday.	24	43	271	5	28,109
Thursday...	23¾	72	147	70	28,096
Friday.....	23¾	25	236	1,525	26,807

* No trading.

JACKSONVILLE, Aug. 4.—Turpentine continued quiet. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday...	...	...	...	...	.....
Monday.....	23¾	...	436	...	51,959
Tuesday....	23¾	...	202	...	52,161
Wednesday.	23¾	...	189	...	52,350
Thursday...	23¾	...	129	...	52,479
Friday.....	23¾	...	162	...	52,621

* No trading.

PENSACOLA, July 29.—The turpentine market was quiet. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	73	1,042	22,892
Tuesday	167	283	22,776
Wednesday	62	3	22,833
Thursday	21	...	22,676
Friday	37	162	22,751
Saturday	35	122	22,664

CHICAGO, Aug. 4.—Turpentine continues quiet, in both wholesale and retail divisions. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 37c.; single drums, 35c.; single barrels, 40c.

LONDON, Aug. 4.—Quotations on turpentine were as follow:—

	Per cwt. In bbls. s.	d.
Saturday	33	0
Monday	33	0
Tuesday	33	0
Wednesday	33	0
Thursday	33	0
Friday	33	0

Stocks of American turpentine in London were:—

	Aug. 4.	Previous week.	Last year.
Barrels	16,896	16,122	28,203

Rosin.—The local market for rosin had an easier tone, this being a reflection of developments in primary centers where the trend of prices was downward at times on the resumption of sales of rosin held by the government under loans to producers. Demand here was rather slow and generally limited to comparatively small lots for prompt shipment.

SAVANAH, Aug. 4.—The rosin market had a firm undertone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	*Mon.	Tues.	Wed.	Thurs.	*Fri.
B	...	$4.00	$4.00	$4.00	$4.00	$4.00
D	...	4.30	4.30	4.00	4.00	4.00
E	...	4.50	4.40	4.40	4.40	4.40
F	...	4.90	4.80	4.65	4.65	4.65
G	...	4.90	4.85	4.70	4.70	4.75
H	...	5.25	5.20	5.15	5.10	5.07½
I	...	5.25	5.20	5.15	5.10	5.07½
K	...	5.25	5.20	5.15	5.15	5.10
M	...	5.25	5.30	5.25	5.20	5.20
N	...	5.40	5.45	5.40	5.40	5.40
WG	...	5.85	5.90	5.85	5.85	5.85
WW	...	6.20	6.20	6.20	6.25	6.25
X	...	6.20	6.20	6.20	6.25	6.25
	Barrels					
Sales	...	490	282	534	260	133
Receipts..	...	1,264	1,479	877	854	807
Shipments	...	635	1,004	15	110	1,597
Stocks:—	...	288,950	289,425	290,287	291,031	290,241

* No trading.

JACKSONVILLE, Aug. 4.—The rosin market was quiet. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.35	$3.35	$3.35	$3.35	$3.35
D	...	3.85	3.85	3.85	3.85	3.85
E	...	4.50	4.50	4.50	4.50	4.50
F	...	4.90	4.85	4.85	4.85	4.85
G	...	4.95	4.90	4.85	4.85	4.85
H	...	5.25	5.20	5.20	5.20	5.10
I	...	5.25	5.20	5.20	5.20	5.10
K	...	5.25	5.20	5.20	5.20	5.10
M	...	5.30	5.30	5.30	5.30	5.15
N	...	5.40	5.45	5.45	5.45	5.35
WG	...	5.85	5.90	5.90	5.90	5.75
WW	...	6.20	6.20	6.20	6.20	6.25
X	...	6.20	6.20	6.20	6.20	6.25
	Barrels					
Sales	...	146	57	...	...	23
Receipts..	...	1,255	2,135	662	758	645
Shipments	...	1	146	432	55	100
Stocks:—	...	307,085	309,074	309,304	310,007	310,552

* No trading.

PENSACOLA, July 29.—The movement of rosin was moderate. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	254	507	358	90	141	62
Shipments	174	...	782	250	...	650
Stocks	64,177	64,684	64,260	64,100	64,241	63,653

CHICAGO, Aug. 4.—Business has shown a tendency to taper off again in the rosin market. Ruling prices at the close of business last night were:—B grade, $6.65 per lot of 280 pounds; G grade, $7.90; M grade, $8.35; W.W. grade, $9.20

LONDON, Aug. 4.—Quotations on American rosin were as follows:—

	Per cwt. in barrels Common. s.	d.	W.W. s.	d.
Saturday	15	7½	18	9
Monday	15	7½	18	9
Tuesday	15	7½	18	9
Wednesday	15	7½	18	9
Thursday	15	7½	18	9
Friday	15	7½	18	9

Pine Oil.—Consumers were not disposed to purchase to any material extent in advance of current needs, but there was a fair movement of moderate quantities. The market retained a steady tone.

Pitch.—There were reports of a somewhat better inquiry for spot pitch in the local market. The tone continued firm, with quotations generally held at previous levels.

Rosin Oil.—The market was steadier, the tone being influenced by recent developments in basic material. No broadening of trade was noted, but there was a fair demand in a jobbing way.

Tar.—A fairly active inquiry was noted in the local market, the movement being sufficient to give the situation a steady appearance.

Shellac

Conditions in the shellac market changed very little. Abroad, values swung within a small orbit and during the period, trading stopped in the August position and December opened without any important change in the relative positions of the two futures. Demand locally was fair to moderate with deliveries against contracts holding up reasonably well and with prices showing little tendency to swing one way or another. Occasional shading was reported but open quotations lacked quotable change.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Important IMPROVEMENTS

are being made constantly in the pigment color field. Your Imperial representative is in close contact with these developments. Consult him frequently for the latest pigment color information—he is available for instant service.

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Calcutta, Aug. 4.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound— Aug. 4.	July 28.
August	9¼c.	9¼c.

Day-to-day prices were as follows:—

	Per pound.
July 28	9¼c.
*July 29	.....
July 31	9¼c.
August 1	9¼c.
August 2	9½c.
August 3	9½c.
August 4	9¼c.

* No cables.

London, Aug. 4.—Prices quoted on London standard T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	August 4— Shillings. Cwt.	Cents. lb.	July 28— Shillings. Cwt.	Cents. lb.
October	34½	7.52	35	7.63
December	35½	7.74	..	....

Day-to-day closing prices were as follows:—

	Per hundredweight— August.	October.	December.
July 28	33s 9d	35s ..	... ..
*July 29	... ..	... ..	... ..
July 31	34s 3d	35s 3d	... ..
August 1	... ..	34s 3d	35s 3d
August 2	... ..	34s 9d	35s 6d
August 3	... ..	34s 6d	35s 6d
August 4	... ..	34s 6d	35s 6d

* No cables.

Lacquer Materials

Buying of lacquer material and solvents was reported as fairly steady last week. Consumers were not broadening commitments to any extent, but made satisfactory replacements to keep inventories at reasonable levels. The market was without any new price developments, and the undertone remained steady to firm. Domestic and export business in acetone was regarded as satisfactory. Butyl alcohol and acetate, secondary and normal materials, were taken moderately. A firm price tone prevailed for diamyl phthalate, while a steady buying interest was evident for isoproyl acetate. Statistics on production and shipments of cellulose plastic products, sheets, rods and tubes, released by the Department of Commerce, from data compiled by reports of ten manufacturers, show June figures running about 50 percent ahead of the same month a year ago, and for the year to date more than double the corresponding period last year.

Acetone. — Shipments continued to move steadily in most directions last week. Export business was reported as satisfactory. Price schedule for drums and tanks held unchanged, and a firm tone governed the transactions.

Alcohol, Butyl.—Various consumers were entering the market for moderate replacements throughout the past week. Quotations for the secondary and normal material were without change.

Butyl Acetate.—The market lacked any renewed buying interest, but sellers were able to report a satisfactory movement of secondary and normal material last week: Prices remained unchanged.

Cellulose Acetate. — Quotations were well sustained at the levels established recently. Transactions were moderately active. June production of sheets, rods and tubes totaled 446,094 pounds, against 288,385 pounds in the same month a year ago; shipments amounted to 378,046 pounds, contrasted to 323,356 pounds in June, 1938. Production of sheets, rods and tubes for the first six months this year aggregated 4,407,442 pounds, against 1,645,842 pounds in the like period a year ago; shipments were 4,308,553 pounds, compared with 1,703,477 pounds in the corresponding period last year.

Diamyl Phthalate.—A steady to firm price tone characterized trading in this direction. A fair demand was uncovered for the account of the plastic and lacquer trades.

Isopropyl Acetate.—While there was no indication of any broadening in business, transactions were quite steady for nearby requirements. No change was disclosed in the prices.

Nitrocellulose.—The tone of the market held firm. Business was regarded as satisfactory for this time of the year. June production of sheets, rods and tubes totaled 956,721 pounds; shipments 999,853 pounds, compared with 611,647 and 722,053 pounds, respectively, in the same month a year ago. Production of sheets, rods and tubes for the first half of 1939 amounted to 6,397,023 pounds, as against 4,045,731 pounds in the like period of 1938; shipments aggregated 5,994,493 pounds, compared with 4,795,911 pounds in the similar period last year.

Glues and Binders

Casein.—The market for both the domestic and imported material continued very strong last week following the price advances made two weeks ago. There were rumors that certain suppliers were disposing of material at more than the quoted figures, but these rumors could not be confirmed. Buyers were still securing stocks at 11c. to 12c. per pound for car lots of 20-30 mesh material; 12½c. to 13¼c. per pound for five tons or more up to car lots, and 14¼c. to 14¾c. per pound for smaller lots. The 80-100 mesh product was quoted at ½c. per pound more. This price schedule was very strong during the period under review and failed to discourage buyers who were active in placing orders. Sellers still look for yet another increase in prices, possibly this week.

Glues.—Demand was slightly better last week, but it was still fairly light. The market was encountering seasonal dullness and orders were for small amounts of material only. Prices were firm.

Soybean Protein.—This is a new, technically pure product that has been put on the market and is being promoted for industrial applications similar to those of casein. The price last week was 11½c. per pound in car lots and 12c. in smaller lots.

Theodore Fournier, of the Cleveland sales department of the National Lead Company's Cleveland branch, has been given a wrist watch by his associates in honor of his thirty years service with the company.

F. J. Shirley, superintendent of Sayreville, N. J., plant of National Lead Company, titanium division, sailed August 3 for a two-month business-pleasure trip in Europe. While abroad he will confer with company representatives in the major cities.

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Iron Blues
Para Toners
Toluidine Toners
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Permanent Orange Toners
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PURE CHROMIUM OXIDES are STRONG - INERT - PERMANENT
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Trade Briefs

J. G. Park, vice-president of the Standard Alcohol Company, this city, is vacationing in Vermont.

Fred W. Jones, of the New Jersey Zinc Company, this city, left last week for a two-week vacation in Quogue, L. I.

M. F. Parson has been elected vice-president in charge of Louisiana operation of the Celotex Corporation, this city.

H. J. Bowman, traffic manager for S. C. Johnson & Son, Inc., has been appointed member of the National Paint, Varnish and Lacquer Association committee.

A. F. Grignon, sales manager of Casein Company of America, this city, left for his Epping, N. H., farm where he will spend the remainder of the Summer.

John McQuade & Co., paint and varnish manufacturer, Brooklyn has appointed E. N. Zoeller chief chemist and production manager. Mr. Zoeller was formerly with Devoe & Raynolds Company.

Birmingham Paint & Glass Company, established in 1885 and occupying the same location most of that time will move some time in August to a new location across the street at 2014 Fourth avenue, N, Birmingham, Ala.

Blue Lead Paint Up For Specification Revision

A tentative draft of a revision of the Federal specification (TT-B-486) for blue lead-linseed oil, ready-mixed paint has been sent out by the National Bureau of Standards to interested trades for comment prior to its review by the technical committee on paints.

This specification covers one grade of ready-mixed linseed oil paint made on a blue lead base suitable for either outside or interior use. The detailed requirements in respect of the ingredients are stated as follows:—

E-1. Pigment.—The pigment shall consist of basic lead sulphate and certain other ingredients, which upon analysis shall meet the requirements of Federal specification TT-B-486.

E-2. Liquid.—The liquid shall contain not less than 90 percent of linseed oil, the balance to be combined drier and thinner. The thinner shall be turpentine, volatile petroleum spirits or any mixture thereof. The linseed oil in the ready-mixed paint may be any mixture of raw, boiled or bodied linseed oil, provided the fatty acids prepared from the vehicle have an iodine number (Wijs) of not less than 175.

E-3. Ready-Mixed Paint.—The paint shall be well ground, shall not settle badly or cake in the container, shall be readily broken up with a paddle to a smooth, uniform paint of good brushing consistency and shall dry within 18 hours without streaking, running or sagging, to a smooth, oil-glossy finish. The weight per gallon shall not be less than 19.5 (19.64) pounds. The paint shall consist of:—

Ingredients.	Percent—Maximum.	Minimum.
Pigment	....	74
Liquid containing at least 90 percent linseed oil	26.0	..
Water	0.5	..
Coarse particles and "skins" (total residue retained on No. 325 sieve, based on pigment)	1.5	..

Comments, criticisms and suggestions with reference to the proposed specification are to be sent by August 28 to E. F. Hickson, chairman of the technical committee on paint, Federal Specifications Executive Committee, room 417, Chemistry building, National Bureau of Standards, Washington.

Rushton Marot Honored

Rushton Marot, identified with Chas. Howell & Co., Philadelphia, for fifty-nine years, was honored at a luncheon, in the Penn Athletic Club, August 2, at the suggestion of Henry R. Dowdy, of Dowdy Brothers. The participants were:—Mr. Dowdy; E. T. Longstreth, of the Samuel H. French Company; Fred L. Meyer, of J. Meyer & Son; LaVere Lukens, of Chas. H. Howell & Co.; Daniel J. Healy, of Spencer Kellogg & Sons; Abel P. Wetherill, of Wetherill & Brother; and G. B. Heckel, editor-publisher of *Drugs, Oils and Paints*.

Mr. Marot is a native Philadelphian, born September 2, 1861. Later his family moved to Chicago, where he received his education. In August, 1880, the family returned to Philadelphia, where he entered the service of Charles H. Howell & Co., a paint and color manufacturer, and, on December 18, 1901, became a partner in the firm. In June, 1902, Mr. Howell having died, Mr. Marot purchased the business from the estate, and, in November 1913, he incorporated the business as Chas. H. Howell & Co., Inc., and retained the presidency until March, 1937, when he was elected chairman of the board, which position he still holds.

Books You Can Use

Plastics Moulding

Making and Moulding Plastics. By L. M. T. Bell. Cloth; 242 pages, 8½ by 5½ inches. New York: Chemical Publishing Company. $5.

This volume, a revised impression of a book first issued in 1936, discusses the more important materials used in making and moulding plastics, presenting their history, and the present day essentials and probable future developments in the industry. Consideration of the deeper technicalities and the patent aspect of the subject were purposely avoided as much as possible. However, there is included some discussion of the processes of resinification.

The commercially employed plastic materials discussed in the work include hard rubber, pitch and bituminous compounds, shellac moulding compounds, phenol-formaldehyde resins, urea formaldehyde compounds, casein plastics, and celluloid and the cellulose compounds. Other chapters of the volume treat the constitution of moulding compounds generally, hydraulic presses and other equipment, mould design and construction, and the inspection and testing of moulded articles.

Hercules Powder Names Ott Research Director

—Continued from page 5

Institute of Technology in that city, specializing in chemistry, physics, and other branches of natural science.

Receiving his Ph. D. degree in 1927, Dr. Ott left Switzerland for America and after several years of practical chemical experience became assistant professor of chemistry at Johns-Hopkins University. He was engaged as consultant for Hercules Powder Company in April, 1933, and a few months later became a member of the company's development department. In 1937, he was appointed head of the research department at the experiment station.

St. Joseph Lead Earnings Up Sharply for Half Year

Report of St. Joseph Lead Company and subsidiaries for six months ended June 30, 1939, shows net profit of $1,415,028 after depreciation, depletion, Federal income taxes, etc., equivalent to 72 cents a share on 1,955,680 shares (par $10) of capital stock, excluding 41,153 treasury shares. This compares with $46,184 or two cents a share in first half of 1938.

Current and working assets as of June 30, 1939, including $4,208,344 cash, amounted to $13,481,190 and current liabilities were $1,993,429. This compares with cash of $1,527,572, U. S. government and other marketable securities of $987,754, current and working assets of $11,854,082 and current liabilities of $2,127,173 on June 30, 1938. Inventories were $7,624,506 against $7,991,891.

L. H. Baekeland, president of the Bakelite Corporation, this city, has fully recovered from an attack of pneumonia which prevented him from participating in the recent synthetic resin symposium of the American Association of the Advancement of Science.

Announcing

HORSE HEAD XX-505 ZINC OXIDE

A NEW ZINC OXIDE OF LOW REACTIVITY— LOWER THAN THAT EVER OFFERED BY A REGULAR ZINC OXIDE

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INTERIOR GLOSS PAINTS AND ENAMELS—(with vehicles that are too reactive for formulation with the usual type of zinc oxide) for improved resistance to yellowing, and better gloss retention. 15% to 25% is suggested.

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EXTERIOR HOUSE PAINTS—for improved durability, tint retention and cleaning properties.

TRIM AND TRELLIS PAINTS—for improved color maintenance. At least 25% is suggested.

RESIN EMULSION AND CASEIN PAINTS—for better washability, cleaner surfaces with improved durability, tint retention and resistance to mildew. 15% to 35% oxide is suggested.

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Chemical Business Makes Further Gains

—Continued from page 30

engendered keen competition in prices, one effect of which was a turning by consumers to better grades of material, so that sales made a better showing in value than in volume. During the greater part of the quarter, demand for many materials used in drugs and cosmetics was kept down by uncertainty with respect to the effects of the new food, drug, and cosmetic law. A little of the same influence applied to flavoring materials also. When certain provisions of the law were postponed the weight of this deterrent was in part lifted; but the eventuality of required compliance still kept buying confined to nearby needs as compounders of customer goods were not laying up stocks of materials or of finished products. Public demand for flavorings, drugs, and cosmetics was of goodly volume, but the needs of manufacturers were met in substantial part by drafts on their inventories of materials. Troubles in the Orient were reflected in supplies of oils from that quarter, and in spite of relatively large imports of all sorts of aromatics, sellers' inventories were greatly reduced. The price average was unchanged during the quarter; it was a little below the 1938 level, which was one of the lowest in the chemical, oil, and drug group.

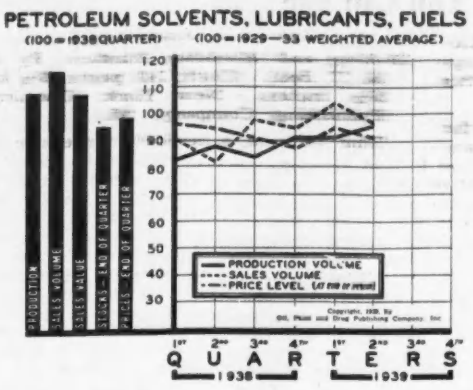
Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	— 4.3
First half	— 2.8
Sales volume, second quarter	— 2.0
First half	— 4.7
Sales value, second quarter	+ 5.8
First half	+ 6.7
Stocks, end of second quarter	+ 2.3
Prices, end of second quarter	— 1.1
Change since January 1, 1939	+ 0.6
Change since March 31, 1939	0.0
Exports (6 mos.)—$1,592,249	+11.8
Imports (6 mos.)—$3,604,142	+11.3
Credit conditions—Unchanged	
Outlook—Brighter	

Petroleum Solvents, Lubricants, Fuels

The petroleum industry approached the Summer season this year in a little better shape than it had been a year earlier; although the customary arguments about excessive anticipatory production of motor fuels were in circulation during the second quarter. Efforts to maintain and, if possible, to increase the stability of the markets were evident during the quarter, and Congress obliged with extensions of and additions to conservation laws. The industrial derivatives of petroleum had a goodly share in the results of increasing general activity. Technical developments in the solvents field added support to the expansion movement that has characterized these materials over a few years past. Medicinal and cosmetic derivatives were in good demand, but price competition was much in evidence. Exports of petroleum products as a whole, one of the biggest items in the foreign trade of the United States, were somewhat curtailed by conditions in Europe and Mexico. Imports were larger than those in the 1938 period; the influential items were various. The price average of the petroleum markets as a whole was raised during the quarter but did not reach its 1938 level.

Data contributed to the REPORTER'S survey for the

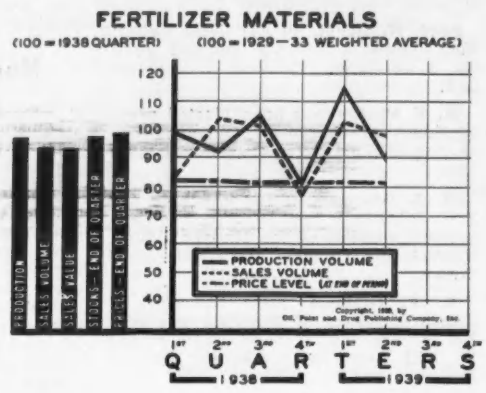


second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	+ 7.4
First half	+ 1.2
Sales volume, second quarter	+16.5
First half	+20.3
Sales value, second quarter	+ 7.7
First half	+16.3
Stocks, end of second quarter	— 5.9
Prices, end of second quarter	— 2.3
Change since January 1, 1939	+ 1.3
Change since March 31, 1939	+ 2.4
Exports (6 mos.)—$179,699,388	— 8.8
Imports (6 mos.)—$20,366,694	+ 1.4
Credit conditions—Slightly better.	
Outlook—Brighter.	

Fertilizer Materials

The second quarter of the year is never a big season for fertilizer materials. This year it was smaller than usual, manufacturers' sales being 6.2 percent less in volume than those in the corresponding quarter of 1938. Farmers were not getting as much for their products as they got last year; they did not have the money for the buying of the season's relatively small fertilizer requirements, even though fertilizers are about the cheapest things they buy. Fertilizer mixers were not heavily in funds; their credit was a bit strained. The condition of the materials business was the natural consequence of these circumstances. Production was curtailed—it had been a bit heavy in the first quarter—and producers were able to reduce their stocks on hand to a volume less than they had a year before. Prices of major materials were held steady during the quarter, being already notably low. Quotations on minor materials undulated in reflection of variations in the supply of available stuff. Even though the farmer is to continue getting a goodly share of governmental financial assistance in bonuses, sub-



sidies, and other grants, the fertilizer materials industry does not view the future with rose-tinted glasses.

Data contributed to the REPORTER'S survey for the second quarter indicate the following changes from corresponding 1938 periods:—

	Percent.
Production, second quarter	— 3.0
First half	0.0
Sales volume, second quarter	— 6.2
First half	— 9.8
Sales value, second quarter	— 6.3
First half	— 5.6
Stocks, end of second quarter	— 2.0
Prices, end of second quarter	— 0.7
Change since January 1, 1939	0.0
Change since March 31, 1939	0.0
Exports (6 mos.)—$7,866,909	+ 1.2
Imports (6 mos.)—$22,256,681	+ 6.4
Credit condition—Slightly poorer	
Outlook—Slightly duller	

Price Trends

Average prices at the end of the second quarters of 1939 and 1938, with relation to those at the end of the similar period in 1937, compare as follows:—

(100=Prices at June 30, 1937)

	1938.	1939.
Heavy chemicals	101.7	96.8
Coaltar chemicals	99.0	96.7
Dyestuffs, textile, leather chemicals	98.6	88.4
Paint, Varnish, Lacquer materials	97.1	98.2
Oils, fats, waxes	76.2	72.7
Drugs and fine chemicals	100.1	100.9
Botanical drugs, gums, spices	94.3	93.5
Essential oils, aromatic chemicals	84.8	83.8
Petroleum solvents, lubricants, fuels	88.2	86.2
Fertilizer materials	104.2	103.5
Average of all these markets	94.4	91.9

Price Trends of Representative Chemicals, Oils, Drugs: 1935-39

Industrial Chemicals

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Acid, acetic, 28%	$2.45	$2.40	$2.45	$2.45	$2.53	$2.23	$2.23	$2.23	$2.23	$2.23
Boric, tech., gran	105.00	80.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00
Chromic	.14¼	.13¾	.14¾	.14¾	.15¼	.14¾	.15¼	.15¼	.15¼	.15¼
Sulphuric, 66 deg	15.50	15.50	15.50	15.50	16.50	15.50	16.50	16.50	16.50	16.50
Alum, ammonia	2.75	2.75	2.75	2.75	3.00	2.75	3.15	3.15	3.15	3.15
Alumina sulphate, com'l	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.15	1.15	1.15
Ammonia, anhyd	.16	.15½	.16	.16	.16	.16	.16	.16	.16	.16
Bleaching powder	2.00	1.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Calcium acetate	2.10	2.00	2.10	2.10	2.25	1.65	1.65	1.65	1.65	1.65
Arsenate	.06	.06	.06½	.06	.06¾	.06½	.06¾	.06¾	.06¾	.06¾
Chlorine, liq., tech	2.15	2.00	2.15	2.15	2.15	2.15	2.15	2.00	2.00	1.75
Potash carbonate	.07⅞	.06⅞	.06⅞	.06½	.06½	.06½	.06½	.06½	.06½	.06½
Caustic	.06¼	.06¼	.07	.06¼	.07	.06¼	.07	.07	.07	.07
Soda ash, 58% light	1.05	1.05	1.05	1.05	1.05	.90	1.10	1.10	1.10	1.10
Caustic, elect	2.55	2.55	2.55	2.55	2.55	2.30	2.70	2.70	2.70	2.70
Phosphate, tri	2.40	2.10	2.10	1.75	2.00	1.75	2.00	2.00	2.00	2.00
Silicofluoride	.05	.04¾	.07	.04½	.06½	.05¾	.05¾	.04½	.04½	.04
Sulphate, anhyd	1.15	1.15	1.45	1.15	1.45	1.45	1.45	1.45	1.45	1.45

Coaltar Chemicals

Anilin oil	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15
Betanaphthol	.24	.22	.24	.24	.23	.23	.23	.23	.23	.23
Benzol	.18	.15	.18	.16	.16	.16	.16	.16	.16	.16
Creosote oil, crude	.12	.11½	.13	.12½	.13½	.13	.13½	.13½	.13	.13½
Cresylic acid	.51	.42	.73	.51	.89	.72	.89	.63	.63	.49
Naphthalene, crude	3.00	1.75	4.00	2.50	3.00	2.00	2.35	2.25	2.25	2.25
Phenol	.14¼	.14¼	.14¼	.13¼	.14½	.13¼	.14½	.14½	.14½	.13
Phthalic, anhydride	.15½	.15½	.15½	.15½	.15½	.14½	.14½	.14½	.14½	.14½
Solvent naphtha	.30	.26	.30	.30	.30	.30	.30	.26	.26	.26
Toluol	.30	.30	.30	.30	.30	.30	.30	.22	.22	.22
Xylol	.30	.26	.30	.30	.30	.30	.30	.26	.26	.26

Dyestuffs, Textile, Leather Chemicals

Cochineal	$0.34	$0.32	$0.32	$0.32	$0.35	$0.32	$0.35	$0.35	$0.35	$0.35
Cornstarch	3.66	3.23	4.19	3.90	4.33	2.63	2.65	2.50	2.55	2.50
Egg yolk	.56	.46	.54	.49	.68	.52	.67	.62	.67	.60
Fustic, ext., liq	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½	.09½	.09½
Logwood, ext., liq	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½	.09½	.09½
Myrobalans	25.00	23.00	24.50	21.50	31.00	25.50	30.00	24.00	25.50	24.00
Potash bichromate	.08½	.08¼	.08⅝	.08½	.08⅞	.08⅝	.08⅞	.08⅞	.08⅞	.08⅞
Soda bichromate	.06½	.06⅛	.06⅝	.06½	.06⅞	.06⅝	.06⅞	.06⅞	.06⅞	.06⅞
Sumac, grd	58.00	50.00	65.00	52.00	65.00	59.00	68.00	63.00	69.00	65.00
Valonia	58.00	41.00	64.50	46.00	49.00	46.00	50.00	45.00	48.00	45.00

Paint, Varnish and Lacquer Materials

Acetone	$0.11	$0.11	$0.11	$0.06	$0.06	$0.05	$0.05⅝	$0.05⅝	$0.05⅝	$0.05⅝
Barytes, dom	22.85	22.20	22.85	22.85	22.85	22.85	22.85	22.85	22.85	22.85
Butyl alcohol	.12	.11	.11	.08½	.09	.09	.09	.08½	.08½	.07½
Carbon black, Spec. 1	.0505	.0505	.0505	.0505	.0505	.0355	.03¾	.03¾	.04¾	.03¾
Chrome yellow	.15	.11	.13	.11	.15½	.13	.14½	.14½	.14½	.14½
Copal, Manila, W.S	.09¾	.08½	.09¾	.08½	.08¾	.08½	.08¾	.07⅞	.08¼	.07⅞
Dammar, Batavia, A/E	.13½	.11¾	.14½	.12⅝	.17¼	.14½	.17¼	.12¼	.11⅞	.11⅞
Ester gum	.07⅝	.07¼	.10	.07⅝	.11¼	.09	.09	.06¼	.06¾	.06
Film scrap, w.w	.15	.14	.15	.15	.15	.15	.16	.12	.12	.11½
Iron blues	.37	.36¼	.37	.36	.36	.36	.36	.36	.36	.36
Nitrocellulose s/s	.29	.29	.29	.28	.28	.28	.28	.28	.28	.28

Paint, Varnish and Lacquer Materials (Continued)

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Ocher, Fr., light	.03	.02½	.03	.02¼	.02⅝	.02¼	.02⅝	.02⅝	.02⅝	.02¼
Red lead	.07½	.06½	.09	.07½	.10¾	.07½	.08	.07¼	.0760	.0735
Rosin	6.00	5.15	11.05	5.50	11.75	6.05	7.25	5.05	5.75	5.45
Shellac, bone dry	.31	.19	.23½	.17½	.21	.17	.19	.16½	.19	.18
T. N	.21	.14½	.17	.13½	.14	.12	.12	.10½	.10½	.09½
Titanium white	.06	.06	.06	.05¾	.05⅞	.05¾	.05⅞	.05⅝	.05⅞	.05¼
Turpentine	.56½	.48	.50¾	.40¾	.48¼	.31½	.36¼	.25½	.34½	.28½
White lead	.06½	.06½	.07¼	.06½	.09	.06½	.07	.06	.07¼	.07
Zinc oxide, l. f	.06½	.05	.05¼	.05	.06¼	.05¼	.06¼	.06¼	.06¼	.06⅛

Oils, Fats, and Waxes

Beeswax, Afric	$0.23½	$0.21	$0.26	$0.23	$0.29½	$0.25	$0.25	$0.19	$0.19½	$0.19
Candelilla wax	.16	.10	.16	.15	.15½	.13	.15¼	.13½	.15½	.15¼
Carnauba wax, 3, chalky	.39	.21	.36	.33½	.38⅜	.33	.33½	.29	.30	.27½
Chinawood oil	.35	.088	.1860	.1260	.2400	.1180	.1600	.0920	.20	.14
Coconut oil	.06⅛	.03½	.09¼	.03⅞	.10½	.03⅞	.04¼	.03	.03⅝	.03
Corn oil, crude	.11	.08¾	.10¼	.08	.10¼	.06½	.08	.06¼	.06½	.05⅝
Cottonseed oil, crude	.01050	.0800	.1000	.0750	.1050	.0587½	.0750	.0587½	.0637½	.0587½
Japan wax	.08¾	.06	.09¾	.08¼	.11	.09½	.10¾	.09¾	.11¼	.09¾
Lard	16.90	10.90	13.70	10.25	14.15	8.80	9.65	7.40	7.40	6.30
Lard oil	20.50	13.50	16.25	12.25	16.75	12.75	12.75	10.25	9.75	9.125
Linseed oil	.0960	.0770	.0970	.0880	.1070	.0960	.0970	.0750	.0880	.0790
Menhaden oil	.35	.25	.36	.28	.45	.34	.40	.27	.32	.26
Neatsfoot oil	17.00	16.25	16.75	16.00	18.25	17.00	17.25	15.25	15¼	14¾
Olive oil	.94	.80	1.60	.70	1.65	1.15	1.15	.86	.94	.83
Perilla oil	.10½	.07¼	.11	.08	.13¼	.10½	.11	.09	.1000	.0890
Red oil	.08¾	.06½	.09⅜	.07	.10¾	.08¾	.08¾	.06½	.07	.06½
Sardine oil	.38	.24½	.46	.28	.54½	.36	.46½	.28	.34	.28½
Soybean oil	.1000	.0800	.1050	.0700	.1080	.0600	.07	.05¾	.05¾	.05½
Stearic acid	.11¼	.09½	.11½	.08½	.12½	.11	.11	.10	.10½	.10
Tallow	.07⅜	.05⅜	.08⅜	.04½	.10¼	.05⅞	.06⅝	.04½	.05⅜	.05½

Drugs and Fine Chemicals

Agar agar, I	$0.90	$0.52	$0.90	$0.67	$1.15	$0.72	$1.05	$0.85	$1.25	$0.90
Alcohol, S.D. 1	.31	.295	.31	.23	.27	.26	.27	.22	.22	.19½
Aloin	1.60	1.30	1.60	1.50	2.00	1.50	2.65	2.00	2.65	2.65
Bismuth subcarbonate	1.65	1.40	1.40	1.40	1.40	1.23	1.53	1.22	1.53	1.43
Metal	.90	1.00	1.00	1.00	1.00	1.00	1.05	1.05	1.10	1.05
Cadmium metal	.85	.55	1.05	.85	1.60	1.05	1.60	.85	.85	.55
Calomel	1.11	1.01	1.40	1.01	1.59	1.40	1.50	1.18	1.52	1.44
Castor oil	.10	.09½	.10	.10	.10	.10	.10	.09	.09	.08
Corn syrup, 42°	3.63	3.18	4.10	3.05	4.36	3.11	3.12	2.89	3.12	3.02
Corrosive sublimate, cryst.	.76	.71	1.05	.76	1.30	1.20	1.30	1.05	1.32	1.26
Cream of tartar	.17¾	.17¼	.17¼	.15	.19¾	.15	.22¾	.19¾	.22¾	.22¾
Epsom salt	2.15	1.90	1.90	1.90	2.00	1.90	1.90	1.90	1.90	1.90
Iodine, resubl	1.90	1.65	1.65	1.50	1.50	1.50	1.75	1.50	1.75	1.75
Iron-ammonia citrate, b., s.	.52	.49	.49	.37	.37	.37	.37	.37	.37	.37
Menthol	3.75	2.80	3.75	3.10	3.40	3.10	3.25	3.10	3.10	2.95
Quicksilver, domestic	75.00	69.50	94.00	74.00	97.00	81.00	82.00	72.00	95.00	77.00
Quinine	.51	.51	.53	.51	.53	.53	.54	.53	.54	.54
Santonin	70.00	26.00	43.00	30.00	43.00	25.00	25.00	21.00	55.00	19.00
Silver nitrate	.50	.36⅜	.33¼	.32¾	.33⅜	.32¼	.32⅝	.31½	.31½	.31½
Thymol	1.85	1.65	1.65	1.55	1.65	1.55	1.65	1.40	1.40	1.40
Vanillin, ex eugenol	4.00	3.00	3.90	3.75	3.65	3.10	3.10	2.10	2.60	2.10

Botanical Drugs, Spices, and Gums

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Aletris root	$0.30	$0.27	$0.30	$0.29	$0.45	$0.30	$0.45	$0.38	$0.40	$0.37
Arnica flowers	.30	.15	.33	.25	.35	.27	.33	.28	.30	.27
Belladonna leaves	.18	.14	.14	.14	.14	.14	.14	.12½	.15	.12
Cascara sagrada bark	.11	.08	.12	.11	.14½	.11¾	.11¾	.09½	.11	.09
Dandelion root	.24	.18	.23	.18	.23	.19	.19	.13	.14	.13
Digitalis leaves	.30	.24	.26	.23	.65	.24	.65	.38	.38	.36
Ergot, U.S.P.	2.10	.34	2.25	1.35	2.05	1.50	1.65	1.25	1.35	1.25
Golden seal root	2.00	1.05	2.85	2.00	3.55	2.85	3.65	2.75	2.75	2.75
Gum arabic, sorts	.13	.09½	.10¼	.09	.14½	.09¾	.11¾	.09½	.10¼	.09½
Henbane leaves	.28	.19	.22	.20	.21	.19	.19	.15	.15	.14
Lavender flowers, select	1.05	.60	1.05	.63	.60	.50	.50	.40	.40	.40
Lycopodium	.80	.32	1.25	.80	1.40	.95	1.30	.93	1.20	.92
Myrrh	.40	.22	.40	.35	.45	.40	.36	.35	.39	.35
Papain	3.25	1.75	1.75	.95	2.75	.95	2.75	1.08	1.20	1.10
Rhubarb root	.38	.23	.35	.30	.75	.32	.65	.30	.48	.35
Saffron, Spanish	12.25	9.50	18.00	11.50	23.00	14.00	30.00	23.00	31.00	29.00
Senega root	.33	.23	.36	.33	.60	.36	.70	.50	.68	.56
Stramonium leaves	.13	.08	.11	.07	.11	.11	.13½	.10	.13½	.13
Tonka beans, Angost	2.75	1.85	2.50	2.50	2.50	2.50	2.50	2.40	2.40	2.35
Valerian root	.23	.13½	.13½	.11	.11	.09	.12	.08½	.12	.09½
Vanilla beans, Bourb	2.70	2.00	3.75	2.40	4.75	3.25	4.40	3.35	5.50	4.75
Mexican	3.25	3.00	4.00	3.00	4.75	4.00	4.75	4.25	5.50	5.00

Essential Oils

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Anise	$0.50	$0.40	$0.95	$0.50	$1.35	$0.70	$1.25	$0.70	$0.70	$0.65
Bergamot	1.80	1.30	2.95	1.60	4.00	2.95	4.00	3.65	3.65	3.65
Cassia	1.52	1.10	1.10	.90	1.25	.90	1.20	.84	.95	.85
Citronella, Ceyl	.28	.22	.29	.18	.42	.32	.42	.32	.33	.32
Clove	.90	.83	1.05	.88	1.25	1.05	1.07	.95	.95	.95

Essential Oils (Continued)

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Geranium, Alg	5.25	4.50	5.25	4.50	4.85	4.00	4.00	2.85	2.70	2.65
Lavender, 30-32%	3.00	2.55	2.75	2.55	2.25	2.25	2.25	2.00	2.00	2.00
Lemon, Calif	1.70	.60	3.00	1.00	3.50	2.60	2.50	2.50	2.50	2.00
Italian	1.85	.95	2.85	1.00	3.75	2.60	4.00	3.00	3.10	2.60
Lime, dist., Mexican	6.00	4.35	5.75	5.45	6.10	5.40	5.40	3.35	3.25	2.50
Orange, Calif	3.00	2.00	3.25	2.25	3.25	1.75	1.75	.65	.90	.75
Italian	2.95	1.50	2.75	1.90	4.00	2.25	2.25	2.25	2.25	1.90
Peppermint, redist	3.20	2.05	2.55	2.10	2.80	1.75	2.35	2.15	2.55	2.30
Spearmint	1.75	1.60	2.00	1.40	1.90	1.65	1.70	1.60	1.70	1.70
Thyme, red	1.35	.58	.85	.68	.85	.69	.85	.69	1.10	.85
White	.80	.65	.80	.80	.85	.78	.85	.78	1.15	
Wormwood	2.75	2.45	3.00	2.25	3.00	2.00	3.25	2.65	3.50	2.65

Petroleum Solvents, Lubricants, Fuels

	1935.	1936.	1937.	1938.	1939.					
Cylinder stock oil, bright, Pa.	$0.23	$0.18½	$0.25	$0.23	$0.29	$0.20	$0.20	$0.18	$0.08½	$0.08
Gasoline, 65 oct., G.3	.05⅝	.04¼	.05⅝	.04½	.06	.04⅛	.04⅛	.03⅞	.04⅜	.04⅛
Kerosene, 41-43, G.3	.03⅝	.03	.04⅜	.03	.04⅛	.03⅝	.04⅛	.03⅞	.04¼	.03⅞
Paraffin, scale 124-126, N. Y	.03¼	.1090	.0255	.02¼	.0293	.0140	.0235	.0185	.0300	.0270
Petrolatum, L. w	.06	.05¼	.06	.06	.06	.06	.06	.05¼	.05¼	.05¼
Petroleum thinner, G.3	.05⅜	.05⅞	.06⅜	.05⅞	.06⅞	.05⅞	.06⅜	.05⅜	.05½	.05⅜
Stoddard solvent, G. 3	.06⅜	.06⅜	.06⅞	.06⅜	.07⅜	.06⅜	.06⅞	.05⅞	.06	.05⅞
V.m.p. naphtha, G.3	.06⅞	.06⅞	.07⅜	.06⅞	.07⅞	.06⅞	.07⅜	.06⅜	.06½	.06⅜

Fertilizer Materials

	1935.	1936.	1937.	1938.	1939.					
Ammonia sulphate	$24.00	$21.50	$26.00	$24.00	$28.00	$26.00	$27.75	$27.25	$28.00	$28.00
Phosphate rock, Fla., 68%.	3.40	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.90	1.90
Potash, manure salt	.48	.43	.55	.48	.58½	.55	.58½	.58½	.58½	.58½
Muriate	.45	.40	.50	.45	.53½	.50	.53½	.53½	.53½	.53½
Soda nitrate	23.50	23.50	25.50	23.50	27.00	25.50	27.00	27.00	27.00	27.00
Superphosphate	8.00	7.75	7.75	7.75	8.50	7.50	8.00	8.00	8.00	8.00

Chemical, Oil, and Drug Corporations Earnings

	Period.	1939 Net income.	1939 Per share.	1938 Net income.	1938 Per share.
Abbott Laboratories	6 Mos.	$1,012,007	$1.43	$841,486	$1.24
Air Reduction Co	6 Mos.	2,232,595	.87	1,684,349	.66
American Chicle Co	6 Mos.	1,883,381	4.31	1,621,583	3.71
American Cyanamid Co	6 Mos.	2,149,714	.80	524,649	.19
American Home Products Corp	6 Mos.	2,009,181	2.50	1,355,097	1.83
American Maize Products Co	6 Mos.	208,436	.69	164,609	.54
American Metal Co., Ltd	6 Mos.	534,917	.27	912,940	.58
American Zinc, Lead & Smelting	6 Mos.	86,153	...	*51,634	...
Anchor Hocking Glass Corp	Year	5,260,244	8.52	1,374,219	1.55
Atlantic Refining Co	6 Mos.	1,353,000	.40	2,886,327	.96
Atlas Powder Co	6 Mos.	449,913	1.12	467,651	1.19
Barber Asphalt Company	6 Mos.	1,003	.002	*270,109	...
Barnsdall Oil Co	6 Mos.	1,058,039	.47	1,690,039	.75
Beech-Nut Packing Co	6 Mos.	1,094,055	2.50	1,111,809	2.54
Booth Fisheries	Year	53,517	...	144,165	...
Butte Copper & Zinc Co	6 Mos.	*9,371	...	*11,750	...
Byers (A. M.) Co	Year	200,308	...	*634,222	...
Carrier Corp	6 Mos.	137,742	0.35	*332,697	...
Catalin Corporation	6 Mos.	71,494	.13	4,214	.008
Carnegie Metals Co	Year	*177,336	...	*96,796	...
Celanese Corp. of America	6 Mos.	3,027,774	1.74	540,324	...
Celluloid Corp	Year	56,229	...	*165,518	...
Chemical Fund, Inc	Qtr.	21,666	...	...	...
Cleveland Cliffs Iron Co	6 Mos.	173,679	...	*121,509	...
Cleveland Graphite Bronze Co	6 Mos.	651,957	2.03	2,455	.01
Cliffs Corp	6 Mos.	86,948	.11	129,875	.16
Climax Molybdenum Co	6 Mos.	2,569,214	1.02	3,071,191	1.22
Colgate-Palmolive-Peet Co	6 Mos.	2,427,093	.88	1,646,421	.42
Compressed Industrial Gases	6 Mos.	116,116	.44	13,901	.05
Congoleum Nairn, Inc	6 Mos.	914,252	.74	316,790	.25
Container Corp	6 Mos.	8,049	.01	*67,053	...
Continental Can Co	Year	7,230,142	2.22	7,692,360	2.47
Continental Oil Co	6 Mos.	2,537,280	.54	3,086,708	.66
Commercial Solvents Corp	6 Mos.	438,100	.17	*381,503	...
Cook Paint & Varnish Co	7 Mos.	233,120	.70	60,273	...
Corn Products Co	6 Mos.	4,204,693	1.32	5,046,623	1.65
Crown Cork & Seal Co	6 Mos.	795,895	1.05	903,556	1.26
Crown Zellerbach Co	Year	5,015,390	1.05	6,211,414	1.58
Devoe & Raynolds	6 Mos.	105,594	.46	*183,459	...
Dewey & Almy Chemical Co	6 Mos.	247,906	1.00	77,620	.11
Dome Mines, Ltd	6 Mos.	2,004,820	...	2,114,057	...
Dow Chemical Co	Year	4,178,485	3.76	3,895,269	3.91
DuPont (E. I.) de Nemours & Co	6 Mos.	39,871,535	3.21	18,937,605	1.32
Flintkote Co	Year	1,152,522	1.71	615,817	.92
Food Machinery Corp	9 Mos.	731,808	1.40	679,368	1.27
Freeport Sulphur Co	6 Mos.	654,995	.82	865,299	1.06
Fyr Fyter Co	6 Mos.	8,384	...	1,985	...
Gair (Robert) Co	6 Mos.	*183,308	...	*35,688	...
General Electric Co	6 Mos.	16,370,192	.57	13,176,956	.46
General Foods Corp	6 Mos.	7,574,584	1.44	6,193,578	1.18
General Printing Ink Corp	6 Mos.	425,187	.44	335,096	.32
General Refractories Co	6 Mos.	133,686	.28	66,673	.14
Hazel-Atlas Glass Co	Year	1,141,605	2.63	947,247	2.18
Harbison-Walker Refractories Co	Year	905,500	.53	1,348,100	.86
Hercules Powder Co	6 Mos.	2,269,470	1.52	1,227,134	.73
Hershey Chocolate Corp	6 Mos.	2,846,911	3.23	2,200,461	2.28
Hinde & Dauch Paper Co	6 Mos.	323,933	.65	320,940	.64
Inland Steel Co	6 Mos.	3,785,060	2.33	2,058,173	1.31
International Salt Co	6 Mos.	116,254	.50	163,611	.70
International Silver Co	6 Mos.	242,985	.39	*111,590	...
Intertype Corp	6 Mos.	48,688	.22	120,094	.37
Jones & Laughlin Steel Corp	6 Mos.	*847,812	...	*2,924,028	...
Johns-Manville Corp	6 Mos.	1,203,744	1.11	*24,897	...
Kimberly-Clark Corp	6 Mos.	1,263,581	1.98	1,009,336	1.45
Koppers Co	Year	1,270,139	...	2,481,076	...
Lambert Company	6 Mos.	652,657	.87	613,326	.82
Lehn & Fink Products Corp	6 Mos.	307,666	.77	154,796	.39
Libbey-Owens-Ford Glass	6 Mos.	2,654,814	1.06	*421,880	...
Life Savers Corp	6 Mos.	493,560	1.44	472,982	1.38
Lion Refining Co	6 Mos.	215,178	.49	595,156	1.37
Liquid Carbonic Corp	9 Mos.	441,401	.63	696,985	1.00
Liquid Carbonic Corp	9 Mos.	441,401	.63	696,985	1.00
Loft, Inc	6 Mos.	*552,016	...	*460,002	...
MacAndrews & Forbes Co	6 Mos.	400,054	1.12	342,650	.93
Magma Copper Co	6 Mos.	638,825	1.57	283,605	.69
Mathieson Alkali Co	6 Mos.	336,046	.31	365,552	.34
McKeesport Tin Plate Corp	6 Mos.	234,678	.32	106,287	.15
Monsanto Chemical Co	6 Mos.	2,280,577	1.60	1,224,734	.85
National Cylinder Gas Co	6 Mos.	394,941	.42	210,789	.22
National Gypsum Co	6 Mos.	696,705	.45	395,503	.21
National Lead Co	6 Mos.	3,017,957	.66	1,804,865	.27
New Jersey Zinc Co	6 Mos.	2,047,648	1.04	1,386,858	.71
Newport Industries, Inc	6 Mos.	182,186	.29	*14,214	...
Norwich Pharmacal Co	6 Mos.	388,161	.48	284,882	.35
Oliver United Filters	6 Mos.	*12,516	...	173,355	.58
Owens-Illinois Glass Co	Year	6,893,072	2.59	5,806,617	2.18
Parke, Davis & Co	6 Mos.	4,744,535	.97	3,959,162	.81
Parker Rust Proof Co	6 Mos.	455,941	1.06	211,562	.49
Penick & Ford, Ltd., Inc	6 Mos.	568,963	1.54	554,576	1.50
Pennsylvania Coal & Coke Corp	6 Mos.	*140,763	...	*177,854	...
Pennsylvania Glass Sand Corp	6 Mos.	238,313	.47	173,318	.26
Peoples Gas Light & Coke Co	6 Mos.	1,527,132	2.33	1,371,969	2.09
Phillips Petroleum Co	6 Mos.	3,774,069	.85	5,585,140	1.26
Pittsburgh Steel Co	6 Mos.	*609,774	...	...	...
Procter & Gamble Co	6 Mos.	25,399,792	3.86	17,439,194	2.59
Pure Oil Co	6 Mos.	2,433,456	.12	2,021,440	.02
Remington Arms Co	6 Mos.	144,000	.004	23,000	...
Republic Steel Corp	6 Mos.	1,083,311	...	*5,918,881	...
Reynolds Metal Co	6 Mos.	488,704	.34	305,768	.16
Ritter Dental Mfg. Co	6 Mos.	*87,984	...	*115,830	...
Root Petroleum Co	6 Mos.	122,885	.29	52,735	.09
Ruberoid Co	6 Mos.	208,007	.52	5,279	.01
Scott Paper Co	6 Mos.	795,080	1.16	745,628	1.30
Shell Union Oil Corp	6 Mos.	2,162,422	.09	5,830,437	.37
Skelly Oil Co	6 Mos.	756,918	.57	1,278,242	1.09
Staley (A. E.) Mfg. Co	6 Mos.	819,120	1.57	463,734	.73
Standard Brands, Inc	6 Mos.	3,559,373	.25	4,296,438	.30
St. Joe Lead Co	6 Mos.	1,415,028	.80	46,185	.02
Sun Oil Co	6 Mos.	1,085,898	.34	1,759,686	.63
Sunray Oil Corp	6 Mos.	349,413	.15	426,654	.18
Sylvania Industrial Corp	6 Mos.	516,350	1.20	185,904	.43
Texas Gulf Sulphur Co	6 Mos.	3,264,826	.85	3,715,131	.97
Tide Water Associated Oil Co	6 Mos.	2,331,410	.19	5,992,705	.76
Union Carbide & Carbon Corp	6 Mos.	10,751,404	1.18	7,931,058	.89
United Chemicals, Inc	6 Mos.	60,333	.17	3,141	...
United Gas Improvement Co	6 Mos.	14,720,551	.55	13,501,449	.50
Union Oil Co. of California	6 Mos.	2,651,144	.57	4,950,000	1.06
United States Gypsum Co	6 Mos.	3,117,857	2.38	2,181,219	1.60
United States Steel Corp	6 Mos.	1,907,311	...	*6,302,577	...
United States Rubber Co	6 Mos.	4,465,397	1.18	*239,213	...
U. S. Industrial Alcohol	6 Mos.	2,314	.01	4,255	.01
Universal Consolidated Oil Co	6 Mos.	370,926	1.85	45,138	.23
Vadsco Sales Corp	6 Mos.	30,945	...	*153,419	...
Victor Chemical Works	6 Mos.	436,983	.63	275,544	.40
Westvaco Chlorine Products Corp	6 Mos.	520,712	1.11	354,461	.62
Wheeling Steel Corp	6 Mos.	1,768,656	1.41	*1,155,923	...
Wrigley (Wm.), Jr., Co	6 Mos.	4,559,010	2.31	3,382,604	1.71
Zonite Products	6 Mos.	*31,906	...	*58,131	...

* Deficit.

Plastic, Coldwater Paint Calcimine Sales Up

Sales of plastic and cold-water paints and calcimines reported by sixty manufacturers to the Bureau of Census for June, 1939, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound	76,360	$9,208
All other	64,533	6,172
Dry, casein-bound	285,381	19,948
glue-bound	148,632	7,356
Totals	574,906	$42,684

Cold Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	1,117,605	$83,049
casein-bound	661,555	51,182
Interior, case-bound, paste or semi-paste form	291,793*	309,259
dry-powder form	1,155,147	84,428
glue-bound	333,953	8,465
Totals	.....	$536,383

* Gallons.

Calcimines

	Pounds.	Value.
Hot water	3,237,431	$130,934
Cold water	3,420,934	150,324
Totals	6,658,365	$281,258

Sales of these products for June compared with the corresponding period of 1938 were as follows:—

		1939.	1938.
Plastic paints	lbs.	574,906	504,812
	value.	$42,684	$42,947
Cold-water paints	value.	$536,383	$368,529
Calcimines	lbs.	6,658,365	5,642,284
	value.	$281,258	$242,544

Benjamin R. Vickers & Sons, oils, Hyde Park, Leeds, 6, England, is observing its 111th anniversary.

National Gypsum Company, Chicago, has called a special meeting of stockholders for August 15 to vote on authorizing a $5,000,000 debenture issue, the proceeds of which will be used to retire 4½ percent debentures, due May 1, 1950, and any bank loans then outstanding, as well as to provide additional funds for construction work at the New York plant.

Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in June, as reported by 680 establishments to the Bureau of Census, was $38,504,857. Details of sales reported by these establishments and comparative data for 1938 follow:—

1939.	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments.
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,995	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,829	8,581,577	3,262,252	3,293,336
May	41,853,977	25,436,932	12,578,360	9,259,538	3,318,822	3,838,685
June	38,504,857	22,341,180	12,585,957	9,328,873	3,257,084	3,577,720
Total (6 months)	$197,811,902	$109,939,167	$69,409,601	$49,168,504	$20,241,097	$18,463,134
1938.						
January to May	$147,029,009	$84,974,408	$47,170,645	$33,279,807	$13,890,838	$14,883,956
June	33,936,706	20,767,900	9,763,856	7,049,096	2,714,760	3,404,950
Total (6 months)	$180,965,715	$105,742,308	$56,934,501	$40,328,903	$16,605,598	$18,288,906
July	$27,946,084	$16,368,159	$8,806,128	$6,384,620	$2,421,508	$2,771,797
August	30,182,013	17,224,845	9,894,867	6,879,994	3,014,873	3,062,301
September	31,046,584	17,431,211	10,492,087	7,139,367	3,352,720	3,123,286
October	30,007,078	16,128,067	10,985,822	7,343,960	3,641,862	2,893,189
November	26,253,314	13,183,545	10,638,281	6,950,589	3,687,692	2,431,488
December	21,281,326	9,885,307	9,293,043	6,166,468	3,126,575	2,102,976
Total (year)	$347,682,114	$195,963,442	$117,044,729	$81,193,901	$35,850,828	$34,673,943

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Six-hundred-fifty-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acronol Yellow T.S.

Rayon

Starting point in making—
New reagent for identifying rayons (enables identification of rayons in ultraviolet light; thus, it is claimed, Bemberg silk fluoresces with a brilliant bluish color, viscose gives a very dull blue, and cellulose acetate a luminous violet-blue)

Alpha-acetobenzotetronic Acid

Insecticide

Pesticide (U.S. 2127879)

Argentochrome-Tetramethylthionin

Pharmaceutical

Claimed (U.S. 2014519) to have—
Antiseptic and therapeutic properties and to be readily dissociated in contact with tissues

Beta-aminoethylphenyl Ether

Chemical

Starting point (Brit. 443902) in making—
Emulsifying agents by acylation and sulphonation

Betu Oilcake

Fertilizer

Suggested for use as—
Fertilizer ingredient which is rich in protein

Butadiene Dioxide

Disinfectant

Bactericide (U.S. 2152003)

Insecticide and Fungicide

Fungicide (U.S. 2152003)
Insecticide (U.S. 2152003)

6-Chlor-4-nitro-1:3-diphenoxybenzene

Textile

Starting point (Brit. 488595) in making—
Diazotized red dyes on cotton yarn by coupling on the fiber with—
Acetoacetic acid arylamides
2:3-Hydroxynaphthoic acid arylamides

Copper Phthalate

Paint and Varnish

Ingredient of—
Antifouling paints (added to prevent attack by wood borers and attachment by barnacles)
Promoter of—
Paint and varnish resistance to breakdown in hot, humid climates

Coumarin-3-carboxylmethylethylamide

Pharmaceutical

Claimed (Brit. 489952) to be valuable sedative

4:6-Dinitro-orthotolyl Acetate

Insecticide

As an insecticide (U.S. 2127090)

Dodecylphenylaminomethylsalicylic Acid, Normal

Chemical

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsions and dispersions of various chemicals
Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
Terpene emulsions
Wetting compositions in emulsified form
Starting point in making various derivatives

Cosmetic

Dispersing agent (Brit. 446737 and 446-813) in making—
Creams in emulsified form
Emulsified shampoos
Latherless shaving creams
Lotions
Various emulsified perfumes and cosmetics

Disinfectant

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsified germicides and deodorizing preparations

Dye

Dispersing agent (Brit. 446737 and 446-813) in making—
Color lakes in emulsified form
Dye preparations in emulsified form

Fats, Oils, and Waxes

Dispersing agent (Brit. 446737 and 446-813) in making—
Boring oils
Drilling oils
Emulsions of various animal and vegetable fats and oils
Emulsions of natural and synthetic waxes
Greasing compositions in emulsified form
Lubricating compositions containing vegetable or animal fats and oils
Solvents for fats in emulsified form
Wetting composition containing oils in emulsified form
Wire-drawing oils in emulsified form

Ink

Dispersing agent (Brit. 446737 and 446-813) in making—
Printing inks
Writing inks

Insecticide

Dispersing agent (Brit. 446737 and 446-813) in making—
Insecticidal preparations in emulsified form
Vermin exterminators in emulsified form

Leather

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsified dressing compositions containing shellac, gums, resins, fats, oils
Emulsified fat-liquoring baths
Emulsified finishing compositions
Emulsified soaking compositions containing neatsfoot oil or other oils
Emulsified waterproofing compositions

Miscellaneous

Dispersing agent (Brit. 446737 and 446-813) in making—
Automobile polishes
Cleansing compositions containing soaps
Compositions for cleansing painted or metal surfaces
Degreasing and greasing compositions in emulsified form
Detersive and scouring compositions
Furniture polishes in emulsified form
Metal polishes in emulsified form
Scouring compositions for woodwork, linoleum, rugs and the like
Dispersing agent (Brit. 446737 and 446-813) in making—
Shoe creams and polishes in emulsified form
Waterproofing compositions in emulsified form
Waterproofing compositions in emulsified form for various fibrous and other compositions

Oilcloth and Linoleum

Dispersing agent (Brit. 446737 and 446-813) in making—
Coating compositions

Paint and Varnish

Dispersing agent (Brit. 446737 and 446-813) in making—
Asphaltic paints and varnishes
Emulsified paints and varnishes
Pigment emulsions
Shellac emulsions
Waterproofing compositions in emulsified form

Paper

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsified preparations for treating paper and pulp product
Sizing compositions in emulsified form containing rosin, casein, starches, and the like
Waterproofing compositions in emulsified form
Waxing compositions in emulsified form

Petroleum

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsions containing petroleum or heavy petroleum distillates
Emulsified cutting oils for lathe and screwpress work
Kerosene emulsions
Naphtha emulsions
Soluble greases in emulsified form
Soluble oils in emulsified form for lubricating textile machinery
Various emulsified textile oils

Resins

Dispersing agent (Brit. 446737 and 446-813) in making—
Emulsions of natural or synthetic resins

Rubber

Dispersing agent (Brit. 446737 and 446-813) in making—
Rubber compositions in emulsified form
Special emulsified preparations used for coating, protecting, decorating and other surface-treating of rubber articles

Soap

Dispersing agent (Brit. 446737 and 446-813) in making—
Hand-cleansing compositions in emulsified form
Various emulsified cleansing compositions
Various emulsified scouring compositions

Stone

Dispersing agent (Brit. 446737 and 446-813) in making—
Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient (Brit. 446737 and 446813) of—
Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics)

Finishing

Dispersing agent (Brit. 446737 and 446-813) in—
Dressing compositions in emulsified form
Emulsified coating compositions
Emulsified finishing compositions
Emulsified impregnating compositions
Emulsified sizing compositions
Washing compositions in emulsified form

Manufacturing

Dispersing agent (Brit. 446737 and 446-813) in—
Dispersions used for carbonizing wool
Dispersions used for degreasing raw wool
Dispersions used in fulling operations
Dispersions used for washing wool
Emulsified preparations for degumming silk
Emulsified mercerizing baths
Emulsified milling compositions
Emulsions used for kier boiling cotton
Emulsions used for soaking silk
Oil emulsions for treating fabrics
Special lubricating compositions used in weaving, knitting, warping and winding

Printing

Ingredient (Brit. 446737 and 446813) of—
Printing pastes in emulsified form

Hydrofluorotitanic Acid

Miscellaneous

Mothproofing agent (U.S. 2130435) in—
Mothproofing-detergent compositions for wool, feathers, fur, hair, and the like

Iron Carbonylhydride

Petroleum

Starting point (Brit. 460746) in making—
Derivatives useful as antiknock agents for gasoline

Mercury-Anilin Selenocyanate

Agriculture

Sterilizer (Brit. 490436) for—
Grain

Insecticide

As a parasiticide

Paint and Varnish

Ingredient (Brit. 490436) of—
Antifouling paints

Naphthylenediglycocoll

Photographic

Developing agent (Brit. 481681)

Nicotine Naphthenate

Insecticide

Insecticide (U.S. 2155946)

Phenylbetanaphthylamine

Chemical

Intermediate in—
Organic syntheses

Dye

Intermediate in—
Dye syntheses

Paper

Antioxidant (Brit. 468450) for—
Rosin soaps

Rubber

Antioxidant

Soap

Antioxidant (Brit. 469450) for—
Rosin soaps

Propyl Citrate

Chemical

Reactant in—
Organic syntheses

Food

Volatility reducing agent (Brit. 435272) for—
Flavoring agents used in food preparations, such as jellies, jams, puddings, desserts, preserves, and the like

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Oils, Fats, and Waxes

Sales of Tallow at a Further Decline—Oiticica and Perilla Oils in Demand and Higher—Refined Whale and Fish Oils Reduced — Chinawood Remains Firm — Trade Quiet

Business in miscellaneous oils, fats and greases was quieter last week so far as the general list was concerned, although a good inquiry continued to be noted for some imported oils that are used in the manufacture of paints and varnishes. As a rule, however, consumers were disposed to limit their takings to small lots, especially as the tendency of cottonseed oil and lard futures was reactionary at times. Reductions in prices outnumbered advances.

Oiticica and perilla oils were firm features of the list of vegetable products, sales being reported at higher prices. Offerings of chinawood oil continued light and the market was firm though quiet. Palm oil prices were shaded in some instances, the tone of the market being easier in company with competing product. Coconut oil met with a somewhat better inquiry and the market had a steady tone.

Refined fish and whale oils were easier, quotations being reduced moderately. Cash lard was irregular in company with the Western market for futures. Animal oils were generally stationary. Stearin was quiet, but offerings continued light and the market appeared to have a fairly steady tone. Sales of tallow were reported at a decline, and greases were also easier.

Announcement was made from Washington late last week that lard and vegetable fat products normally used for cooking purposes and made principally from cottonseed oil would be added to the list of officially designated surplus commodities which can be secured with blue surplus stamps under the Food Order Stamp program for relief distribution of surplus commodities.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Lauric acid, ½c. per lb.
Oiticica oil, 1c. per lb.
Perilla oil, ½c. per lb.

Reduced

Grease, ⅛c. per lb.
Menhaden oil, refined, 2-10c. per lb.
Palm oil, ⅛c. per lb.
Sardine oil, 2-10c. per lb.
Tallow, ⅛c. per lb.
Whale oil, refined, 2-10c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
98.6	**98.8**	**99.4**	**109.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Conditions prevailing in domestic markets remained about as noted in the previous week. There was no material change in the situation abroad, offerings for shipment still being reported as extremely light and at prices above those ruling here. There was no increase in offerings from local holders. In such circumstances the market here remained quiet, few transactions being reported during the week. In a nominal way 21c. per pound continued to be the prevailing quotation for oil in tankcars, with 22c. named for oil in cooperage. Importations during the quarter ended with June were 21,697,649 pounds; consumption 26,139,321 pounds; factory and warehouse stocks at close of June 41,010,968 pounds.

SAN FRANCISCO, Aug. 1,—Chinawood oil stealy. Quoted on the basis of 21¼c. per pound in tankcars, f.o.b. Pacific Coast ports for prompt or future delivery out of spot stocks. Hongkong offerings remain at a higher parity than local prices.

Coconut.—A somewhat better inquiry was noted here for crude oil. Aside from this the situation lacked features of interest. Changes in copra were reported as narrow and quotations on oil were held at former levels. Refined oil was in fair request and steady. Importations of copra during the June quarter were 45,036 tons; coconut oil 98,895,943 pounds. Production of crude oil in the United States during the June quarter was 66,388,023 pounds; consumption 137,891,176 pounds; factory and warehouse stocks at close of June 226,894,376 pounds. Refined oil production 68,213,259 pounds; consumption 53,074,128 pounds; stocks 12,314,600 pounds.

SAN FRANCISCO, Aug. 1.—Crude coconut oil is quoted on the basis of 2⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for prompt or future shipment. Bids are said to be in the market at 2½c. Copa sellers in the primary market are firm and Europe appears to be offering a good outlet at attractive prices. Buyers here are only taking on the most modest amounts. Quoted at 1.675c. to 1.70c. per pound, c.i.f. Pacific Coast ports, with most buyers' ideas at from 1.60c. to 1.625c.

Corn.—Crude oil was steady with the inquiry fair and offerings light. Importations of corn oil during the quarter ended with June were 4,442,792 pounds. Domestic production of crude oil during the June quarter 35,681,540 pounds; consumption 33,774,402 pounds; factory and warehouse stocks at close of June 15,674,478 pounds. Refined oil production 30,307,303 pounds; consumption 16,288,264 pounds; factory and warehouse stocks 10,262,467 pounds.

Oiticica. — The inquiry continued good, and with supplies diminishing the market was firmer, sales being reported at a further advance of ½c. to 1c. per pound. Importations for consumption during the quarter ended with June were 6,683,312 pounds.

Olive.—A steady tone prevailed. Demand was fair. Importations of sulphured olive oil for consumption during June quarter 10,485,117 pounds; other inedible oil 1,887,979 pounds.

Palm.—Trade was quieter and the market had an easier tone, quotations in some stances being shaded about ⅛c. Importations of palm oil for consumption during the June quarter were 55,458,218 pounds. Consumption of crude oil during the quarter 75,986,199 pounds; factory and warehouse stocks at close of June 99,131,766 pounds. Production of refined oil 38,195,915 pounds; consumption 33,892,311 pounds; factory and warehouse stocks close of June 27,660,974 pounds.

Perilla.—Demand was fair and the market retained a firm tone. Importations for consumption during June quarter 6,683,312 pounds. Domestic consumption 10,374,501 pounds; factory and warehouse stocks at close of June 13,439,404 pounds.

Rapeseed.—The market retained a steady tone. Importations during June quarter 2,206,103 pounds; consumption 1,591,889 pounds; factory and warehouse stocks at close of June 3,147,585 pounds.

Soybean.—The market was quiet with the tone easy. Production of crude oil during the quarter ended with June 104,568,844 pounds; consumption 97,502,183 pounds; factory and warehouse stocks 47,793,205 pounds. Refined oil production 85,968,036 pounds; consumption 69,483,219 pounds; factory and warehouse stocks 42,420,886 pounds.

Markets at Other Centers

SAN FRANCISCO, Aug. 1.—General buying interest and conditions in the market for vegetable oils are good, with special emphasis being placed on the purchasing of paint and varnish materials. The momentary feature of interest is in perilla oil.

OITICICA.—Strong. Raw, liquid, oiticica oil, laboratory controlled, uniform quality, standard specification, quoted on the basis of 16½c. per pound in drums and/or tankcars, f.o.b. San Francisco for spot stocks or future delivery from Brazil. Other grades quoted at 16c. per pound. Solid oil quoted at 15c. per pound in drums.

COTTONSEED. — Domestic bleachable cottonseed oil is quoted on the basis of 6c. per pound in tankcars, f.o.b. Pacific Coast Mills. Foreign oil is not offered on a future shipment basis. Recent foreign arrivals here have been applied against old contracts.

PERILLA.—Stronger, with active trading. Quoted on the basis of 11c. to 11.2c. per pound in tankcars, f.o.b. San Francisco for both prompt and future deliveries.

RAPESEED.—Refined and denatured oil is quoted on the basis of 6c. per pound in tankcars, nominally, f.o.b. Pacific Coast ports for shipment from spot stocks or from the Orient.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

For Every Specification

Processed
Refined
Blown
Cooked
Sulphonated

VEGETABLE and FISH OILS

Perilla Oil
Soya Bean Oil
Sardine Oil
Liquid Oiticica Oil

Let us quote you Spot or Contract

CROWN
OIL PRODUCTS CORP.
214 49th AVENUE
LONG ISLAND CITY, N. Y.

STEARIC ACID

Single Pressed and Double Pressed
Available in either cake or flake form
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TEASEED.—Free acid teaseed oil is quoted on the basis of 9.75c. per pound in drums or tankcars, f.o.b. San Francisco, for shipment out of the Orient.

Chicago, Aug. 4.—Purchases of vegetable oils have been along quiet lines here recently. Price changes from levels recently prevailing have been comparatively few and of limited importance.

COCONUT. — Coast basis, August-forward, 2⅝c. to 2¾c. per pound. Refined, edible oil, 8⅜c. to 8½c. per pound, barrels, car lots; and 9c. to 9¼c., barrels, less than car lots.

CORN.—Crude, low acid, 5¼c. to 5½c. per pound, partly nominal. Refined, edible oil, 8½c. to 8¾c. per pound, barrels, car lots; and 9c. to 9½c., barrels, less than car lots

PEANUT. — Crude, mills, August-forward, 5½c. per pound.

SOYBEAN.—Crude, mills, August-forward, 4½c. to 4¼c. per pound.

The market for soybeans on the Chicago Board of Trade was quieter, traders being disposed to curtail operations pending further developments in other commodities as well as in the soybean crop situation. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 4.	Closing July 28.
Cash, No. 2..	$0.87	$0.85	$0.87	...
October	.69	.67¾	.69	$0.67⅞
December ...	.68¾	.68	.68½	.67⅝

Linseed Oil

Changes in flaxseed quotations were generally moderate with the tone of domestic markets easy in company with grain. Linsed oil, cake and meal easy.

Flaxseed — DULUTH, Aug. 4. — Early fields of flax in Southern Minnesota and South Dakota, which have already been cut, show varying conditions according to reports received here. Some of it is quite weedy; and heat and grasshoppers have taken their toll, but a large acreage gives promise of good quality and good yield, which may bring the average up well. Late crops, however, are in danger of more grasshoppers for they are on the wing and doing execution in a greater area as time goes on.

The week's closing price range was as follows:—

	Cash.	Sept.
Saturday	$1.57	$1.53
Monday	1.55¼	1.53
Tuesday	1.55	1.53
Wednesday	1.54	1.51
Thursday	1.53½	1.51
Friday	1.51	1.48

There were no receipts of flaxseed at Duluth this week; total for the season ended July 31 was 1,362,464 bushels. Shipments this week 21,750 bushels; total for season ended July 31 was 1,356,733 bushels.

MINNEAPOLIS, Aug. 4.—The inflow of new crop flaxseed is increasing quite rapidly and demand for day-to-day offers is strong. Prices are holding firm compared with futures. Competition for the daily arrivals is stronger than anticipated. About 75 percent of the new seed is being applied on arrive purchases so there is no great amount of free flax for sale. Local and out of town crushers are very ready takers of either spot or to arrive flax. Arrive offers are smaller now and spasmodic.

Harvest operations now are quite general, although erratic on account of intermittent showers. These showers are not heavy enough to do pasturage much good but wet grain enough to prevent threshing and handling safely. Liberal receipts of new flax are expected just as soon as there is a straight week of clear weather. Quality of the new seed is good but not as good as last year. Yields are fairly even in Minnesota but irregular in the Dakotas. The crop of Montana was hit by the heat of the past two weeks and will not do so well. Acreage in that state was small this spring.

Stocks in local public elevators are not changing much as yet, though good increases are expected to show most any time. Shipping advices are creeping up gradually. Receipts are much heavier than they were a year ago.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.55	$1.52	$1.53
Monday	1.55¼	1.52¼	1.53
Tuesday	1.55	1.52	1.52¾
Wednesday	1.54	1.51	1.52¼
Thursday	1.53½	1.50½	1.51¼
Friday	1.51	1.48	1.48¾

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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SPOT — Woolworth Building, New York, N. Y. — FUTURE

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Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week..	160,800	5,680	9,600	1,520
Since Sept. 1..	2,339,000	3,692,990	691,950	358,722

WINNIPEG, Aug. 4.—Trading in flaxseed futures was quiet. Cash demand was also slow. The week's closing price range was as follows:..

	Cash.	Oct.	Dec.
Saturday	$1.30	$1.29¼	$1.26
Monday	1.28	1.29¼	1.26
Tuesday	1.28	1.29	1.26
Wednesday	1.28⅝	1.29⅝	1.26
Thursday	1.30	1.31	1.27
Friday	1.31⅝	1.31½	1.28⅜

BUENOS AIRES, Aug. 4. — Opening prices per bushel on August contracts were:—

	Last week.	Last year.
Saturday	$1.12	$1.20⅛
Monday	1.12	1.29⅛
Tuesday	1.12	1.19⅞
Wednesday	1.11⅞	1.18⅞
Thursday	1.12⅞	1.18⅝
Friday	1.12⅞	1.18⅞

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	232,000	256,000	228,000
United Kingdom	....	4,000	20,000
Continent	425,000	587,000	421,000
Orders	....	79,000	346,000
Others	*216,000	16,000	16,000
Totals	873,000	942,000	1,031,000

*Includes 173,000 bushels to Canada.

Since January 1

To—	Bushels This year.	Last year.
United States	10,511,000	7,408,000
United Kingdom	548,000	1,106,000
Continent	17,203,000	15,692,000
Orders	6,948,000	6,735,000
Others	2,296,000	1,407,000
Totals	37,506,000	32,348,000

Visible Supply

	Bushels.
Last week	4,724,000
Previous week	4,921,000
Last year	5,118,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom	492,000	236,000	408,000
Continent	....	24,000	....
Others	....	....	....
Totals	492,000	260,000	408,000

Since April 1—	Bushels This year.	Last year.
United Kingdom	4,272,000	4,708,000
Continent	260,000	228,000
Others	176,000	72,000
Totals	4,708,000	5,008,000

HULL, Aug. 4.—Quotations on flaxseed were:—

	Per ton La Plata.	Bombay.
Saturday	£11	£12⅜
Monday	11	12⅞
Tuesday	11	13
Wednesday	11	13
Thursday	11¼	13
Friday	11¼	13

Linseed Oil.—The market had an easy tone in the absence of any improvement in trade. Changes in flaxseed prices in the Argentina market were unimportant, but the trend of domestic prices was downward at times owing to weakness in grain and an increasing movement of flaxseed to terminal points in the Northwest. Oil was generally quoted at 8.3c. per pound in tankcars and it was said to be possible to shade this figure slightly.

Withdrawals on unfilled contracts held up rather well but new business, as already intimated, was extremely quiet, consumers and dealers being inclined to hold off for further developments in the crop situation. Demand for cash seed in domestic markets was good and offerings were readily absorbed. Conflicting reports were heard concerning the quality of some of the seed arriving in Northwestern centers. There were also reports of increased damage from grasshoppers. Favorable reports concerning the size and quality of the yield, however, continued to be received from most sections.

The August monthly government crop report will be issued this week. Favorable accounts were received concerning the crop situation in Argentina, the indications still pointing to a large acreage, but no official report on the area will be received until next month. The exportable surplus of old crop seed remaining in Argentina was estimated at 12,480,000 bushels, showing a reduction of about 1,400,000 bushels as compared with the previous estimate.

Receipts of flaxseed at New York last week were 513,276 bushels.

MINNEAPOLIS, Aug. 4.—Crop and weather news of the past two weeks stirred up quite a bit of interest in linseed oil offers and trade expanded noticeably. Some carload lots and some tankcar lots were disposed of for nearby shipment and there was more or less general inquiry for deferred requirements. Round lot buyers inquired more steadily for prices but apparently were not yet ready to deal on crushers terms.

Because of the heat wave and damage to other grains through the northwest linseed oil buyers are paying a little closer attention to the supply situation in Argentina.

Shipping instructions are good and the already meager supply of oil on hand here is disappearing rapidly.

Quotations on carload lots, f.o.b. Minneapolis, tankcars 8.2c. per pound, cooperage car lots, 8.8c. per pound, warehouse lots, 9.2c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week	1,140,000	1,916,734
Since Sept. 1	70,868,953	63,524,511

SAN FRANCISCO, Aug. 1.—Competition among sellers for the available business in linseed oil here has continually forced the California product down during the harvest and heavy crushing season and last week saw oil available at 7.4c. in tankcars, against a general open quotation of 7.7c. Some consumers are supplied with ample contracted stocks, while others are still buying hand to mouth. Quoted:—Tankcars, 7.7c. per pound; drum lots, ex-mill, 8.3c.; drum lots, ex-warehouse, 8.7c. What bids to be even a larger crop next year than the current season's record on flax is evidence of a heavy holdout of seed by the growers from the present crop.

CHICAGO, Aug. 4.—Slowness in business has been noted in linseed oil here recently. Prices are slightly lower than in the recent past and now are at the lowest level in some time. Ruling prices are:—Tankcar, 8.2c. per pound; car lots, 8.8c.; less than car lots, 9.2c.

LONDON, Aug. 4.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	23	9
Monday	23	10½
Tuesday	24	0
Wednesday	24	0
Thursday	24	1½
Friday	24	1½

Cake and Meal.—The tone here was easier in company with outside markets. A fair export inquiry was reported for cake. Domestic trade in meal was quiet.

MINNEAPOLIS, Aug. 4.—Buying of new crop meal became more or less infectious at the $25 level and crushers contracted freely enough to encourage the asking of higher prices so the market was advanced to $26 per ton. At the higher level trade dropped off some but remained good and makers are pretty well booked up for the balance of the year. At the moment crushers are asking $27 to $28 on account of sales made. A lot of meal was taken for October-December shipment and considerable was taken for as quick shipment as crushers can make. Drouth cut into pasturage sharply and feeders are turning to concentrates.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $27 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week	2,000,000	1,707,745
Since Sept. 1	90,684,625	121,653,228

CHICAGO, Aug. 4—There is little interest in the purchase of linseed meal currently, and as a result the price structure is in an easy and rather backward position. Ruling prices are:—Round lots, $32 per ton, largely nominal; car lots, $32 to $33; less than car lots, $34 to $35.

Cottonseed Oil

The tendency of refined oil futures in the local market was reactionary at times. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—The tendency of refined oil futures in the local market was reactionary at times, traders being more disposed to sell in some cases owing to the dissappointing action of the market for lard futures in Chicago. Some of the liquidation was attributed to recent buyers here and in other centers. There was also more or less bearish pressure from local interests. Operations on the selling side were not of an aggressive character, however, at prevailing prices which were down at one time to around the season's recent low point.

With the first government estimate of the cotton crop for the current season due early this week, and the monthly cottonseed report from the Census Bureau expected later in the period, some traders were not inclined to add materially to their commitments on either side of the account, preferring to curtail operations or trade merely for quick turns within moderate limits. Reports regarding the condition of the cotton crop in some cases were less favorable than recently. A report published by a local business newspaper put the indicated crop at the close of July at 11,095,000 bales against a production last season of 11,943,000 bales.

Southern markets for crude oil appeared to be steadier early in the week, but later on the tone was reported as easier. Offerings continued light, however, and quotations underwent little change. There were reports of a somewhat better inquiry for cash refined oil. Sales of tallow were noted at a further decline. Coconut oil was steady with reports of some improvement in trade.

Marketing of hogs in the West continued rather liberal in comparison with the movement a year ago, receipts at the principal centers for four days of last week aggregating 188,100 head against 158,900 head in the same time last year. The weight of the hogs received in Chicago during the week ended July 29 averaged 282 pounds against 281 pounds in the previous week. Stocks of lard in Chicago increased 58,654 pounds during July against an increase of 2,341,773 pounds in July last year. Supplies there at the close of July amounted to 86,631,892 pounds against 74,512,375 pounds a year ago. Exports of lard from Atlantic and Gulf ports from November 1 last to July 29 this year were 142,117,241 pounds against 125,451,926 pounds in the same time last season.

According to the weekly government report, cotton made good progress in extreme southern Texas, but mostly poor to only fair elsewhere in the state. In Oklahoma advance was also poor to only fair in general. In central and eastern portions of the belt, except in portions of Arkansas, North Carolina and Virginia, progress was mostly good.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from July 31 to August 4, inclusive, comprised 451 contracts, a total of 27,060,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	6.14	5.90	6.02@6.04
March	6.23	6.00	6.11@6.13
September	5.92	5.68	5.74@5.78
October	5.91	5.73	5.80@5.85
December	6.10	5.85	5.95@5.98

Crude, Southeast, .04¾ Nom.

Chicago, Aug. 4.—A steadier tone has been noted in the cottonseed oil market, and accordingly buyers again are beginning to evince more interest. There is talk again that prices have reached a point that may be considered about a stabilization zone. Good, off-Summer yellow fig oil is 6c. per pound. Refined, edible oil is 8¼c. to 8½c. per pound, barrels, car lots; and 8¾c. to 9c., barrels, less than car lots.

Hull, Aug. 4.—Quotations on cottonseed oil were:—

	Refined Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	19	0	16	6
Monday	19	0	16	6
Tuesday	19	0	16	6
Wednesday	19	0	16	6
Thursday	19	0	16	6
Friday	19	0	16	6

Cake and Meal.—A steady tone prevailed in Southern markets for spot material. Offerings continued light in all sections. There were reports of a somewhat better domestic inquiry.

Markets at Other Centers

Atlanta, Aug. 2.—Quotations on prime crude in the Southeast are 4⅞c. to 5c. per pound, and attempts are being made to hold 8 percent meal for $23.50 at Southeastern mills. Crop conditions in the Southeast are reported fair to good.

Memphis, Aug. 4.—Crude cottonseed oil ruled quiet and steady. Several scattered lots sold at 4¾c., Valley basis. Remaining supplies now in a few strong hands. Spot meal quiet and steady. Some inquiry for Fall shipment. Spot meal $21 per ton for 41 percent, Memphis basis. Slab cake $18.50 per ton, Valley points. Hulls $4 per ton at mill points. Increasing complaints of weevil damage in this section. Many plantations have started poisoning. Crop looks about two weeks late. July oil consumption estimated at 280,000 barrels.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 27.	August 3.
September	$20.15@20.35	$19.85@20.15
October	20.10@20.35	19.75@20.00
December	20.15@20.30	19.75@19.85
January	20.05@20.30	19.75@19.95

Fatty Acids

Capric Acid.—The situation continued to be featured by a steady tone, quotations being maintained at the levels prevailing for some time past. There was a fair movement of moderate lots to local and other consumers.

Castor Oil.—Makers of cosmetics and shampoos were not disposed to anticipate, but there was a fair inquiry for moderate lots. The market remained steady.

Lauric Acid.—Quotations on distilled technical product were advanced about ½c. per pound by some sellers. Demand lacked snap but there was a fair request in a jobbing way.

Myristic Acid.—A fair inquiry was noted from makers of soaps and cosmetics, the movement for the week being sufficient to keep prices steady at previous levels.

Red Oil.—Demand was fair and the market retained a steady tone. Production during the quarter ended with June was 10,284,673 pounds; consumption 7,967,046 pounds; factory and warehouse stocks at close of June 7,445,004 pounds.

Stearic Acid.—Basic material was easier, but quotations on stearic acid were generally held at former levels. There was a fair demand. Production during the quarter ended with June was 7,024,384 pounds; consumption 3,577,521 pounds; factory and warehouse stocks at close of June 4,624,217 pounds. Importations for consumption during June quarter 256,958 pounds.

Markets at Other Centers

Chicago, Aug. 4.—Somewhat irregular tendencies have been noted in various phases of the fatty acids market here recently. Inquiries have been coming into the market on a basis to suggest that purchases may be placed on a moderately liberal basis a little later.

FATTY ACIDS.—Corn oil, double distilled, 8c. to 8½c. per pound, tankcar; 8½c. to 9c., barrels, car lots; 9c. to 9½c., barrels, less than car lots; coconut oil, acidulated, 8c. to 8½c., tankcar, mostly nominal; 8½c. to 9c., barrels, car lots; 9c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7c. to 7½c. per pound, tankcar; 7½c. to 8c., barrels, car lots; 8c. to 8½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis 1¼c. to 1½c.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Menhaden.—The market for refined oil was easier, quotations being reduced two points. The easier tone was attributed to recent developments in other oils and the absence of any broadening of trade, purchasing by local and other consumers generally being limited to comparatively small or moderate quantities for prompt shipment.

Sardine.—An easier tone developed in the market for refined oil, prices being shaded two points. There was a fair inquiry for small or moderate quantities to fill the current requirements of consumers and dealers.

Whale.—Local quotations on refined oil were reduced two points, the easier situation being regarded by some as a reflection of recent developments in competing products. Importations of whale oil during the quarter ended with June were 754,103 pounds.

Markets at Other Centers

San Francisco, Aug. 1.—While Oregon and Washington fish oil reduction operations have come to practically a direct halt during the last few days because of inclement weather conditions, California's legal opening season on sardine fishing and reduction opened today with operators and fishing fleet representatives locked in a wage disagreement that threatens to hold up operations here until September.

Meantime, the fish oil market has stiffened. Oil on future delivery contracts, passing recently at 24 cents per gallon, is no longer available, bids on that basis having been turned down, with operators somewhat reluctant even to name a price in view of the present production troubles. Nominally, the market is set at 25 cents, which, however, doesn't interest buyers. Spot, old season oil is available in small quantity at 26 cents.

But what the situation lacked in buying interest was made up for in the seriousness attendant to the opening of the season with so far to go yet before reduction operations can start. Labor is one thing, but the temporary appointees of the Fish and Game Commission have not acted up to this date in the matter of issuing reduction permits to the 40-odd plants involved in the processing of oil. That they would act in lieu of waiting for the appointment of a permanent commission was a strong possibility, however, it was learned.

The labor question involves the $11 per ton rate presently paid the fishermen operating in northern waters. California plant owners state they can't pay this rate and sell oil at the current market prices of 24 cents. Northern operators have sold much of their oil at 25 cents and can expect to get fatter fish, with a higher oil yield than the sardines caught in California waters. Furthermore, the California plant owners point out that they paid $11 per ton last year at a time when they were selling oil at 32 cents. They want to pay $10 this year and the fishermen are not inclined to work at that figure.

Meantime, reports from the Alaska herring fields state that production is going along in normal fashion, with a fair run of fish being taken. All prospects point to a normal season. Practically the entire potential production has already been contracted.

Baltimore, Aug. 2.—Reports about sales of menhaden oil during the week ended today from down the Chesapeake Bay were lacking, which indicated that the quotation of 24 cents per gallon set by potential buyers failed to interest the sellers and producers, who are evidently disposed to hold out against the drop proposed. And the producers would seem to be in a good position to resist for the reason that their sales on a when-and-if-made basis are already far ahead of the production, so that the rest of the season will have to be exceptionally good if the fishing companies are to be able to fill their commitments on the basis previously set. The figures named on refined oil remain at 53 to 55 cents per gallon for light pressed, 55 to 57 cents per gallon for light bleached, and 57 to 59 cents per gallon for yellow bleached stocks.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Fats and Greases

Grease.—An easier tones developed in the absence of any broadening of business. Production during the quarter ended with June was 91,541,870 pounds; consumption 46,335,120 pounds; factory and warehouse stocks at close of June 51,642,411 pounds.

Lard.—Local cash prices were irregular in company with developments in the West, changes in prices being moderate. Domestic trade was quiet. There was a fairly active export inquiry. Stocks of lard in Chicago July 31 were 86,671,892 pounds against 74,512,375 pounds last year.

Tallow.—The market was easier, 4⅝c. per pound being quoted for extra delivered, showing a decline of ⅛c. There was a somewhat better inquiry. Production of inedible tallow during the quarter ended with June was 148,704,524 pounds; consumption 199,876,916 pounds; factory and warehouse stocks at close of June 245,119,727 pounds. Edible tallow production 22,878,656 pounds; consumption 12,799,281 pounds; stocks 9,608,415 pounds.

Trading in tallow futures on the New York Produce Exchange from July 31 to August 4, inclusive, comprised 4 contracts, a total of 240,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	4.70	4.65	4.60@4.70
October	4.60	4.60	4.45@4.60

Markets at Other Centers

Chicago, Aug. 4.—Buying in the cash lard market has been along moderate lines. The price structure has been fairly steady.

The range of lard quotations from the opening Saturday, July 29, to the close Friday, August 4, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$5.77	$5.77	$5.67	$5.67	$5.77
Oct	...	5.80	5.65	5.65	5.82
Dec	5.92	5.97	5.77	5.77	5.92

TALLOWS (tierces).—Edible, 4⅝c. to 4⅞c. per pound; prime, 4⅝c. to 4¾c.; fancy, 4⅝c. to 4¾c.; special, 4⅜c. to 4½c.

GREASES (tierces).—Choice white, 4⅜c. to 4⅝c. per pound; A white, 4¼c. to 4½c.; B white, 4⅛c. to 4⅜c.; yellow, 10-16, 3⅞c. to 4¼c.; yellow, 16-20, 3¾c. to 4c.; brown, 3⅝c. to 3⅞c.

STEARINS (barrels).—Prime oleo, 5⅜c. to 5⅝c. per pound; lard, packages, 6¼c. to 6½c.; white grease, 4⅝c. to 4⅞c.; yellow grease, 4⅛c. to 4⅜c.; oleo stocks, 6¾c. to 7¼c.; No. 2 stocks, 6¼c. to 6½c.

Liverpool, Aug. 4.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s.	d.	September. s.	d.	October. s.	d.
Saturday	33	0	33	0	33	0
Monday	33	0	33	0	33	6
Tuesday	33	0	33	0	33	6
Wednesday	32	9	32	9	33	3
Thursday	32	9	32	6	33	0
Friday	32	6	32	6	33	0

Liverpool, Aug. 4.—Quotations per cwt. on tallow were as follows:—

	Choice. s.	d.	Fine, good mixed. s.	d.
Saturday	19	0	16	6
Monday	19	0	16	6
Tuesday	19	0	16	6
Wednesday	19	0	16	3
Thursday	19	0	16	3
Friday	19	0	16	3

Animal Oils

Degras.—The market was steady with a fair inquiry. Importations during the quarter ended with June were 984,612 pounds. Domestic production for the quarter was 1,422,619 pounds; consumption 1,112,855 pounds; factory and warehouse stocks at close of June 3,300,659 pounds.

Lard.—There was a fair movement of moderate lots, and the market retained a steady tone. Production during the June quarter 4,713,281 pounds; consumption 2,885,450 pounds; factory and warehouse stocks 6,701,656 pounds.

Neatsfoot.—A steady tone prevailed. Demand was fair. Production during June quarter 1,117,698 pounds; consumption 1,335,995 pounds; factory and warehouse stocks at close of June 1,072,876 pounds.

Oleo.—Demand was fair and the market had a steady tone. Production during June quarter 18,209,382 pounds; consumption 2,952,604 pounds; factory and warehouse stocks 4,150,125 pounds.

Markets at Other Centers

Chicago, Aug. 4.—The animal oil has been holding steady, with the current volume of business not very large.

LARD.—No. 1, 7¾c. to 8c. per pound.

OLEO.—No. 2, 6¾c. to 7c. per pound.

TALLOW.—Acidless, 7c. to 7¼c. per pound, tanks; 7¾c. to 8c., barrels.

Waxes

Bayberry.—The market continued strong in price and reasonably active as to demand. Small stocks were the rule and any heavier call than prevailed last week would probably have resulted in a further rise in quotations.

—*Continued on page 71*

Oils and Fats Trading Slated for Control

OPD Washington Bureau
August 1, 1939

The house has passed and sent to the senate a bill (H.R. 4088) to place fats and oils (including lard, cottonseed oil, peanut oil), cottonseed meal, cottonseed, and peanuts under the provisions of the commodities exchange act.

The bill was strongly recommended by the Department of Agriculture which stated that futures trading in commodities is of vital importance to producers, merchandisers, and processors, and that trading in futures in the commodities named should be subject to the same regulations as trading in futures of the fourteen other commodities already covered by the act.

Procter & Gamble Earnings Gained for Six Months

Report of Procter & Gamble Company for fiscal year ended June 30, 1939, certified by independent auditors, shows net profit of $25,399,792 after depreciation, federal income taxes, etc., and $2,515,319 inventory writedown, equal after dividend requirements on 8 percent and 5 percent preferred stocks to $3.86 a share on 6,409,418 no-par shares of common stock.

For the year ended June 30, 1938, net profit was $17,439,194, including $2,500,000 license and patent settlement, $4,000,000 transferred from materials and product price equalization reserve and after deduction of $1,823,293 for contingencies, etc., and $3,802,811 inventory adjustment. This was equal to $2.59 a share on 6,325,087 shares of common stock. Gross sales were $220,547,744, against $221,143,924 in preceding year, a decrease of $596,180 or 0.3 percent.

For quarter ended June 30, 1939, net profit was $6,930,753 or $1.04 a common share, comparing with $5,254,048 or 79 cents a share in June quarter of 1938. Current assets as of June 30, 1939, including $19,895,903 cash and $4,608,117 marketable securities, amounted to $89,528,717, and current liabilities were $17,860,356, compared with cash of $12,426,497, marketable securities of $2,452,759, current assets of $85,333,818 and current liabilities of $13,310,346 at end of preceding year.

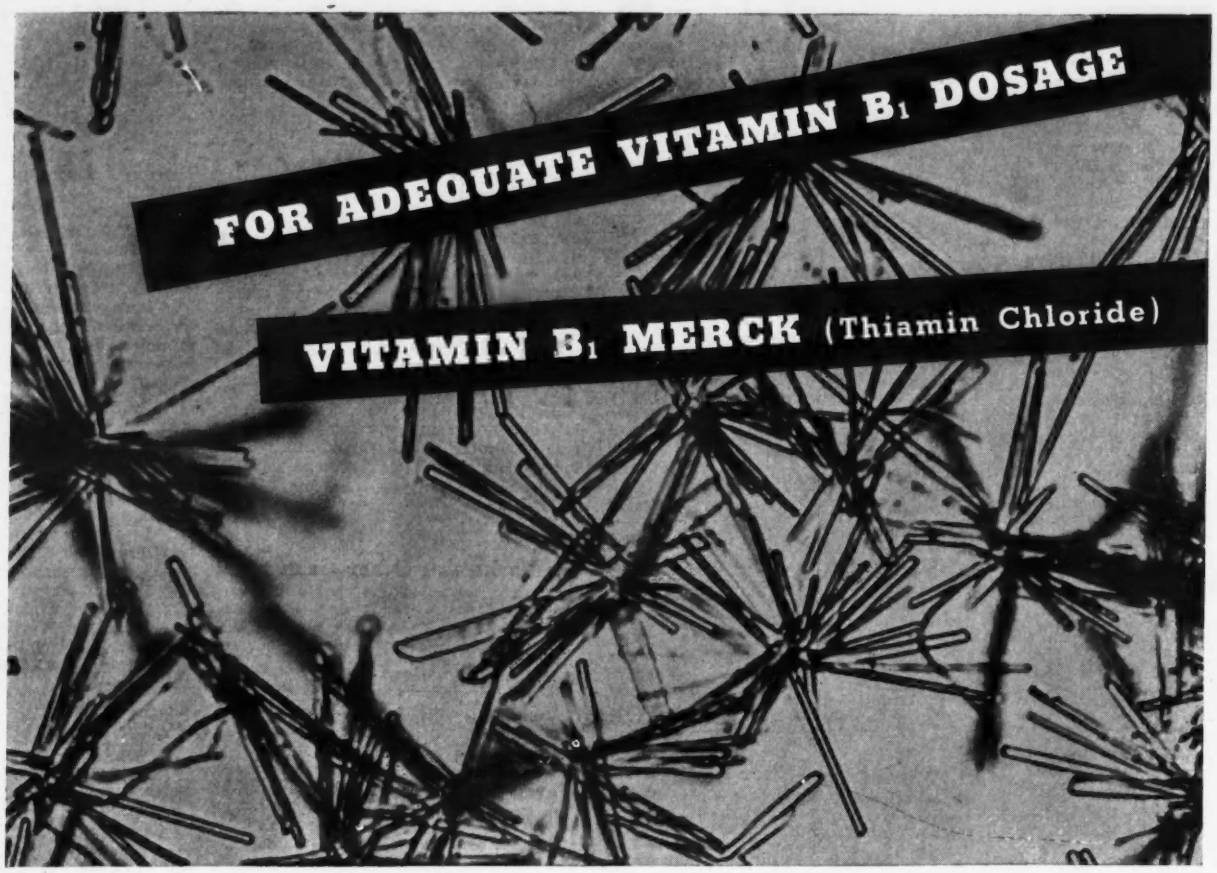
Cotton Linters Claim Paid

Both house and senate have passed the congressional bill to pay $5,842.76 to the Ninety Six Oil Mill, Ninety Six, S. C., in settlement of a claim for processing cotton linters under a contract with the government during the World War. It was explained that because of the inadvertence of an attorney the claim was not filed with others on which the Court of Claims made favorable awards. The court ruled that, if the claim had been filed within the permitted period, the judgment would have been awarded.

Mexican Linseed Oil Output Showing Gain

The latest statistics available showing the annual output of linseed oil in Mexico are for 1937, when the total output of oil reached 184 metric tons, valued at 127,000 pesos. During that year the total number of establishments manufacturing linseed oil was forty-eight, with the total number of workers amounting to 1,157. These figures, compared with 1936, indicate that in that year the production of linseed oil totaled 266 metric tons, valued at 124,000 pesos. The number of establishments for the year was forty-four, with the total number of employees 1,154, according to the information received at the Department of Commerce from the American commercial attache in Mexico City.

A Guaranty of MERCK *Purity & Reliability*



PURE CRYSTALLINE VITAMIN B_1 HYDROCHLORIDE

with a Potency of 333,000 International Units per Gram

Minimum Daily Requirements

For Infants—not less than 50 International Units (0.16 mg.).
For Adults—not less than 200 International Units (0.66 mg.).

Therapeutic Dose

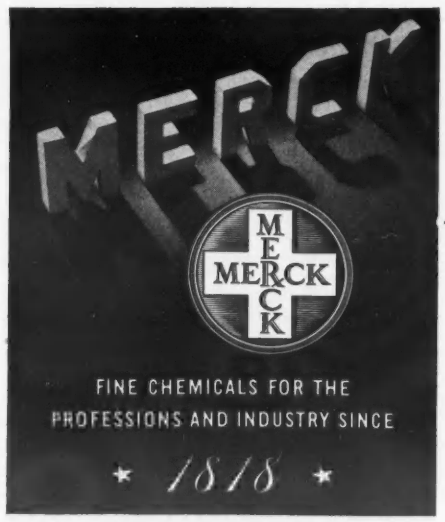
To ensure adequate curative dosage in advanced vitamin B_1 deficiency, from 5 to 100 mg. daily, equivalent to approximately 1500 to 30,000 International units, may be required. Later, the dosage may be reduced to 5—10 mg. (1500—3,000 I. U.), three times per day.

Important Indications

Anorexia of Dietary Origin . . . Beriberi . . . Alcoholic Polyneuritis . . . Essential for Optimal Growth of Infants and Children.

May be administered orally or parenterally. Very soluble in water and slightly soluble in alcohol.

Literature on Vitamin B_1 Hydrochloride (Thiamin Chloride Merck) will be mailed on request.



MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York • Philadelphia • St. Louis • *In Canada:* Merck & Co. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Credit Terms Changed on Mono and Tri Amylamines — Aloin Prices Become Uniform at Higher Levels—Glycerin Steady—Santonin Strong—Mercurials Firm

Demand for drugs and fine chemicals was reported fairly good in most quarters during the past week. While the volume of orders failed to swell much, if any, it was at least comparable in size with that current in the market during recent periods. Business was done to the accompaniment of generally steady prices.

Producers of mono and tri amylamines made a change in credit terms, making sales net cash in fifteen days as compared with the previous 1 percent discount, 10 days, or thirty days net.

The strength of aloin was reinforced by a further advance that brought all producers to a common price basis that was 30c. per pound above the levels prevailing for some time past. The development was caused by the very strong position of raw material and the practically 100 percent advance in cost of the same over a substantial period of time.

Glycerin remained well stabilized as to price, and steady as to demand. Mercurials were on the firm side, in line with the lack of true basic weakening in the cost of raw material, notwithstanding the fact that recent price trend had been downward on small lots. England increased its duty on mercury bichloride to protect the home industry more adequately.

Santonin held strong but free from further price advance. Alcohol moved in very fair gallonage and the future was thought to be encouraging. Beverage acidifiers were in high request at steady and attractive prices. Tartar products were firm.

A visitor from France, now in the United States, who represents a large French wholesale house, with a selling force which covers the entire country, is desirous of contacting manufacturers and wholesalers who wish to place their lines in the French market. Full details regarding this visitor are available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms.

Acid, Acetylsalicylic. — Steady, if entirely routine demand prevailed last week and producers indicated that trade was about normal for the season. Prices proved to be substantially steady and lacking in signs of an early change.

Acid, Benzoic. — Moderate demand came to the spot and found producers and distributors alike able to meet the same promptly and in full volume. Prices were steady and the market seemed well stabilized.

Acid, Citric.—Business was excellent, feeling the effect of hot weather that raised demand for many products acidified by this material. It has been an excellent season in the main, excellent for buyers because of the all-time record low prices, and excellent for the producers in point of volume done.

Acid, Pyrogallic. — The photographic grade of this article was in good request, the market being active along seasonal lines and showing stability of price and absence of excessive competition.

Acid, Tartaric.—Favorable weather conditions continued to heighten consumption of beverages acidified by this acid. The call was active and steady. Other consuming trades seemed less than normally active.

Agar. — The market continued in nominal position, the result of extremely high prices and a very strong position in Japan, as well as for the reason that spot stocks of some grades were distinctly low. Sellers were entirely reserved.

Alcohol. — New developments were lacking. Movement into consumption was up to the average in recent weeks and for the most part the volume of new business was encouraging. Furthermore, there was reason to believe that Fall business would be expansive if the present indications for commercial activity prove accurate indicators. Pricewise, the market was a very steady affair throughout the past week.

Aloe.—All reports made the primary market strong and upward tendency. At the end of the crop, hastened by lack of rains, production was found to be conservative and likely to be a stimulant to prices.

Aloin.—The advance made at the close of the previous trading period was extended and then became uniform. The primary market situation was one entirely devoted to the strength of the raw material at the source.

Bismuth Metal and Salts.—Very fair trading in raw as well as manufactured material was reported to the full maintenance of prevailing prices and the confinement of competition within comparative narrow limits. Major salts were in very good request.

Borax.—Indications were for a speeding up of consuming activity with the approach of the Fall season and deliveries against contracts seemed to indicate that consumers viewed the future with a fair degree of assurance of good business.

Castor Oil.—The situation changed very little. Buyers had moderate requirements to complete and found no difficulty in placing their business at fairly advantageous terms. Conditions usually favored buyers over sellers.

CHICAGO, Aug. 3.—Trade in castor oil shows little change in character, and material is moving out at a rate that generally permits of a favorable comparison with that prevailing recently. Buyers continue their conservative buying policy. Ruling prices are:—No. 1, barrels, car lots, 9⅛c. per pound; barrels, less than car lots, 10¼c.; drums, car lots, 8⅞c.; drums, less than car lots, 10c.; tanks, 8⅜c.; No. 3, barrels, car lots, 8⅝c.; barrels, less than car lots, 9¾c.; returnable drums, car lots, 8⅜c.; drums, less than car lots, 9½c.; tanks, 7⅞c.

Chloral Hydrate.—Complete stabilization of prices prevailed. The absence of fluctuation of any sort has featured this article for a long time past and with trade holding at approximately the same levels prevailing weekly for some time, maintenance of the prevailing schedule seemed to be in the cards.

Corn Syrup.—Values were weak and lower again. Some reports concerning the prospect for the new crop of corn were more encouraging but others were not. The Secretary of Agriculture predicted 25c. corn unless Congress provided for corn loans.

Gelatin.—Statistics on production and stocks, in pounds, for the second quarter of 1939, compared with preceding quarters, were released today by Director William L. Austin, Bureau of the Census, Department of Commerce. The data were reported by 11 manufacturers, operating 11 plants in Illinois, Massachusetts, Michigan, New Jersey, New York, and Wisconsin. Production amounted to 6,322,897 pounds for the second quarter 1939, compared with 6,340,019 pounds for the first quarter 1939 and 6,147,247 pounds for the second quarter 1938. Stocks at the end of the second quarter of 1939 were reported as 9,477,587 pounds, as against 8,909,144 pounds at the end of the first quarter 1939, and 9,913,751 pounds at the end of the second quarter 1938. Statistics for the years 1939 to 1938, by quarters, compiled by the Bureau of Foreign and Domesic

Price Changes

Prices were changed during the past week as follows:—

Advanced

Aloin, 30c. per lb.

Reduced

None.

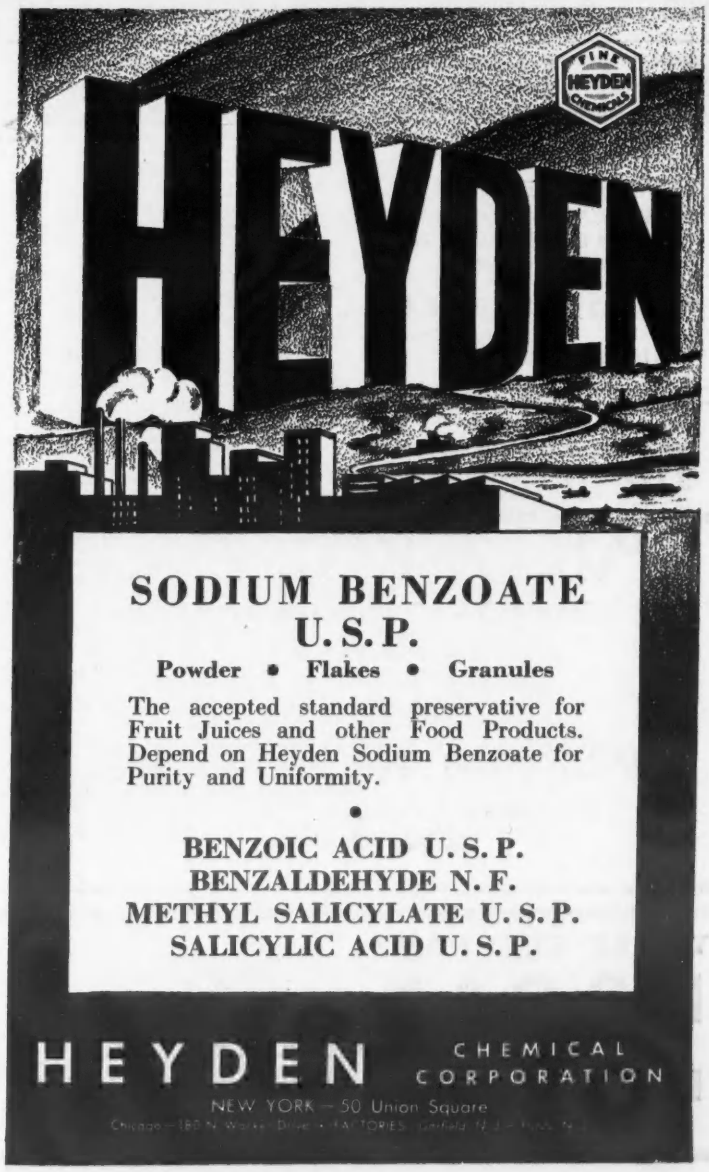
Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.7	**182.7**	**182.9**	**183.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7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HEYDEN
SODIUM BENZOATE
U.S.P.
Powder • Flakes • Granules
The accepted standard preservative for Fruit Juices and other Food Products. Depend on Heyden Sodium Benzoate for Purity and Uniformity.
BENZOIC ACID U.S.P.
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HEYDEN CHEMICAL CORPORATION
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Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
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FISH LIVER OILS
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NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
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IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
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MINERAL OIL RESIDUES
NAPHTHENIC SOAP
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REFINED GLYCERINE
ALL GRADES
CHEMICALLY PURE U.S.P.
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YELLOW DISTILLED-HIGH GRAVITY-DYNAMITE
Refineries located at:
• BROOKLYN, N. Y.
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GLYCERINE DEPARTMENT
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The World Renowned Benckiser
TARTARIC ACID
CRYSTALS—POWDER—GRANULAR
Guaranteed U. S. P.
OBTAINABLE FROM
WILLIAM NEUBERG, INC.
441 Lexington Avenue, New York City
MUrray Hill 6-1990

Commerce of the Department of Commerce, are shown below:—

	Pounds	
	1939.	1938.
Production:—		
First quarter.....	6,340,019	6,305,042
Second quarter.....	6,322,897	6,147,247
Stocks:—		
First quarter.....	8,909,144	9,969,040
Second quarter.....	9,477,587	9,913,751
Imports:—		
First quarter.....	599,121	1,342,780
Second quarter.....	688,095	810,559
Exports:—		
First quarter.....	75,493	61,580
Second quarter.....	78,802	114,670

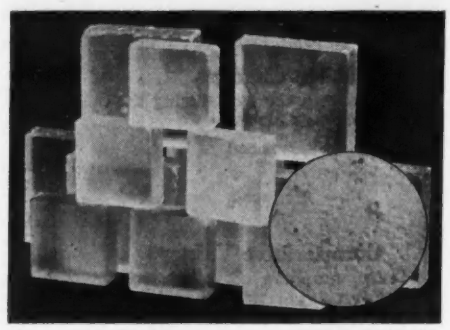
Glycerin.—Trade conditions changed very little. Fundamentally, the spot market appeared to be well stabilized at current prices. The cost of crude abroad and at home were nearly at parity with the edge belonging usually to the domestic product, demand for which was reported to be absorbing soapers' production very well. Movement of chemically pure material was maintained at steady volume. Taken altogether, prevailing conditions contributed much to the steady, well stabilized price position of all forms of the article.

CHICAGO, Aug. 4.—The glycerin market has been rather quiet. Buying of c.p. material has been fairly good for this season, and other varieties have attracted fair amount of attention. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12¼c.

Magnesia.—Materials within the magnesia group were steady in price, subject to very fair consuming request, and governed by a moderately prevailing competition between the several suppliers. Demand was maintained approximately at recent volume.

Mercurials.—Sales of domestic mercurials pursued a quiet course in which demand kept to recent volume and prices reflected to some extent the basically firm position of raw material—this notwithstanding the recent and

Every Tablet of
SHERKA CAMPHOR, U. S. P.
(Synthetic)
is identical in quality, purity and capacity for camphor action . . .



Surface of Sherka Synthetic Camphor U.S.P Tablet magnified 150 times to show uniform structure and fineness.

for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U.S.P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
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Lactic Acid
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Carbonate of Magnesia
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U. S. P. and Technical Grades
THE PHILIP CAREY CO.
Dependable Products Since 1873
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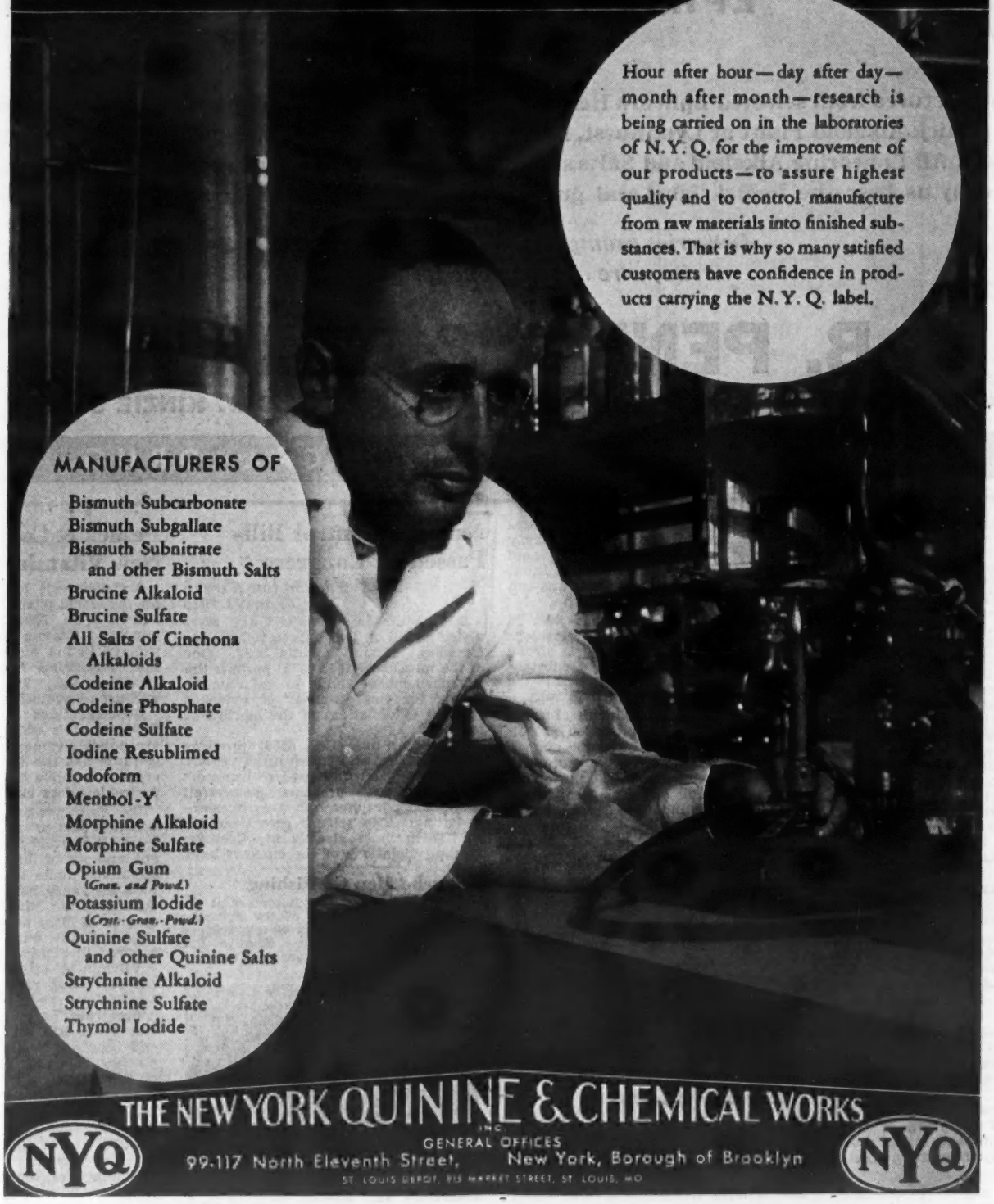
RESORCIN
CATECHOL - META-NITRO-PARA-TOLUIDINE
PENNSYLVANIA COAL PRODUCTS COMPANY
PETROLIA, PENNSYLVANIA

THREE ELEPHANT BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

"MAN-HOURS OF RESEARCH"...

Do you realize how many are spent in the constant improvement of N. Y. Q. products?



Hour after hour—day after day—month after month—research is being carried on in the laboratories of N. Y. Q. for the improvement of our products—to assure highest quality and to control manufacture from raw materials into finished substances. That is why so many satisfied customers have confidence in products carrying the N. Y. Q. label.

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- Bismuth Subcarbonate
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- Bismuth Subnitrate and other Bismuth Salts
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- Brucine Sulfate
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- Codeine Alkaloid
- Codeine Phosphate
- Codeine Sulfate
- Iodine Resublimed
- Iodoform
- Menthol-Y
- Morphine Alkaloid
- Morphine Sulfate
- Opium Gum (*Gran. and Powd.*)
- Potassium Iodide (*Cryst.-Gran.-Powd.*)
- Quinine Sulfate and other Quinine Salts
- Strychnine Alkaloid
- Strychnine Sulfate
- Thymol Iodide

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We recommend that you specify Ephedrine manufactured from its natural source—Ephedra Herb.

NATURAL EPHEDRINE by PENICK

EPHEDRINE ALKALOID, U. S. P.
— a thoroughly anhydrous product
— relatively free from odor.

EPHEDRINE SULPHATE, U. S. P.
Crystals and Powder

EPHEDRINE HYDROCHLORIDE, U. S. P.
Crystals and Powder

Manufactured from selected Ephedra Herb at the Penick Alkaloid Plant at Lyndhurst, New Jersey. All Ephedrine Alkaloid and Salts supplied by us bear the Penick label and guarantee that they are manufactured only from Ephedra Herb — the natural product upon which the universal reputation and U. S. P. standards for Ephedrine have been built.

Deliveries prompt—price strictly competitive.
Write, wire or telephone for quotations.

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK 1228 W. KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

several reductions in spot quotations. According to reports from London, import duty into Great Britain has been increased to protect home manufactures. The Additional Import (Key Industry) Duties (No. 1) Order, 1939, dated July 4 and effective July 6, 1939, increases from 33⅓ per cent ad valorem to two shillings per pound the import duty applicable to mercury bichloride. In recommending this increase the Import Duties Advisory Committee states that during the last two years imports of mercury bichloride, mainly of Italian origin but to some extent also from Russia, have increased very considerably with a consequent reduction in both the domestic and export sales of the principal British manufacturers. The committee states also that imports of mercury bichloride have been made at average values less than the cost to the British manufacturers of the mercury content and that in the absence of additional protection production in the United Kingdom would probably be still further jeopardized.

Monoamylamine.—In the future terms of sale will be net cash, 15 days, comparing with the recent practice of selling on the basis of 1 percent for cash, thirty days net. Basic prices remain unchanged.

Quicksilver.—Prices for small lots were not reduced further but in the absence of much demand for this metal, values were still very favorable for consumer operations. Basically, the market was considered to be firm and it was reported that the prices of major producers would probably stiffen should large requirements enter the market at this time.

San Francisco, August 1—Quicksilver has turned somewhat easier, what with stocks accumulating in the face of a rather light demand. Last week moderate inquiry was reported from the direction of the east coast, with metal involved in sales at a reported figure of $86 per flask, New York basis. The local quotation in San Francisco is named at $84.

Quinine.—Steady, well stabilized prices prevailed. Demand held up well, it having been very satisfactory during the Summer season. Every reason existed for the belief that trade during the Fall period would compare favorable with the usual movement of this product at that time.

Rochelle Salt.—Steady demand, though not an expansive one, was reported in the full support of currently prevailing prices. Values have held steady for some time and conditions suggest that an early change was not likely.

Santonin.—The market was firm in price but lacking in further development. The position was no less strong than it had been and lack of substantial reserve stocks tended to create the opinion that values would hold fully.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities at 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of buillion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	16¾
Monday	26⅞	34¾	13⅞
Tuesday	26⅞	34¾	16⅞
Wednesday	26⅞	34¾	16⅞
Thursday	26⅞	34¾	16⅝
Friday	26⅞	34¾	16⅞

Triamylamine.—Quotations were steadily maintained. However, leading producers changed their credit terms. Terms are now net cash, fifteen days, in place of the former 1 percent discount for cash ten days; thirty days, net.

'Listerine' Claims On Dandruff Banned

—Continued from page 5

by independent physicians and scientists and is being continued, in both laboratories and clinics, to develop additional knowledge in this field. It is now recognized, as pointed out in the stipulation, that dandruff is sometimes caused by a germ and is, in fact, the most frequent scaly disease of the scalp; but the view that dandruff is always a disease, although held by some eminent medical authorities, has not been wholly accepted by the medical profession. The stipulation refers to the confusion which has surrounded this prevalent scalp disorder and should be helpful in further clarifying the subject. "Listerine Antiseptic" gives relief from infectious dandruff by killing the germs. The company's newspaper and other advertising will continue to direct attention to the benefits of "Listerine Antiseptic" for dandruff.

Narcotic Control Bills Passed by Congress

OPD Washington Bureau
August 3, 1939

Both house and senate today completed action on two bills to tighten enforcement of the narcotic laws. One of the measures (H.R. 6555) permits the advancement of funds to enforcement agents for the purchase of evidence relating to violations of the marihuana tax act.

The other bill (H.R. 6556) provides for the seizure and forfeiture of vessels, vehicles, and aircraft used to transport narcotic drugs, firearms, counterfeit coins, and paraphernalia used in counterfeiting. The seizure provisions are similar to those already in effect regarding violations of the customs laws.

Fritzsche Men Go Fishing

The plot was laid last December at the annual sales conference of the Fritzsche Brothers, this city, when Speck bragged about Canadian fishing. Result: five agreed to make a party over the Fourth of

Fishermen all! Gordon Dick, of N. C. Polson & Co., wholesale druggist, Montreal; Joe Gauer, the new manager of the Fritzsche Brothers' Chicago office; Jim Eller, Cincinnati; Lloyd Speck, Toronto; Pete Niles, Boston, and Fred Hilbert, all Fritzsche Brothers employees.

July holiday and those failing to keep the date were to be stuck with the expenses of those who did. All arrived at the Rideau River and Rideau Lakes section northeast of Kingston, Ontario, and reduced the population of the small-mouthed bass for which the fishing grounds are famous. The six liked it so much that they are going to do it again next year.

Penick & Co. to Market New Vitamin 'A' Product

Arrangements are now being made for the world wide distribution by S. B. Penick & Co., New York, of a new and improved vitamin 'A' concentrate, developed in the research laboratories of the Biochemical Products Corporation, Evanston, Ill. The Penick company will act as exclusive selling agents.

Concentrations from 1,000,000 to 2,500,000 units of vitamin A per gram are possible commercially, and the concentrate has the important qualities of crystal-clearness and freedom from undesirable odors and flavors.

By this newly developed process, which is said to be a radical departure from all existing methods used at present, and one of the most important contributions made to vitamin technology in many years, natural vitamin 'A' oils, derived from the livers of various species of fish, are treated in such a way that the pure vitamin 'A' is recovered in highly concentrated form.

Vitamin 'A' esters from fish liver oils are also being produced under another newly developed process, and the ester concentrate provides a natural ester, free from fish oil, objectionable odor and taste and available in much higher potency than any Vitamin A ester now on the market.

The new process has been in the course of development for several years and patent protection has been applied for in the United States and other countries.

Commercial operations are now in progress and plans for the marketing of the new concentrates are rapidly being developed through the foreign and domestic sales departments of the Penick company.

Blackstrap Freight Increase Suspended by I.C.C.

OPD Washington Bureau
August 3, 1939

The Interstate Commerce Commission today suspended freight schedules proposing to increase the freight rates on blackstrap molasses in tankcars between Mobile, Ala., and points in Kansas, and ordered an investigation docketed as I. & S. No. 4685.

Botanical Drugs, Spices, and Gums

Summer Doldrums Prevail—Botanical Drug Demand Light and Irregular—Low Volume of Trade in Contrast With Price Steadiness—Many Items Basically Firm

Market activity in botanical drugs consisted of a slow and somewhat irregular flow of small orders to local dealers. Midsummer doldrums appeared to have set in and the general feeling was that trade would probably be rather quiet until the end of the vacation season.

Such a condition of affairs was not unusual in the sale of crude drugs. More often than not, the Summer period has always been one of restricted activity. Occasional exceptions have been always prominent because of the rarity of the phenomena; exceptional activity has always been caused by exceptional conditions. Ordinarily, dull demand during the season of production and collection has been the common lot of botanical drug dealers and such was their lot last week.

The exceptional feature of the market this Summer has been the fact that notwithstanding normally quiet trade, prices have not eased generally. On the contrary, price tendency in many items has been upward in direction and practically all important price developments have been of that variety. In most instances, the upward tendency has been caused by primary market conditions and usually the tendency to rise has been noted mainly in drugs of foreign origin.

It was for the above reasons that local botanical dealers were disposed to look forward to the more active Fall season as one likely to be accompanied by more than ordinarily steady to firm prices.

Last week, some materials of minor importance in the general group of items were available at slightly lower prices, usually the result of slightly more favorable replacement costs. Arnica root, borage flowers, calendula flowers, kamala, pichi tops, and pink root were in the group. A vivid exception was sandarac gum; that item advanced sharply on confirmation of the recent report that no gum would be collected this year.

Entries of botanicals at the port of New York since the week of January 1, 1939, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	960
Belladonna	...	220
Caraway	1,864	20,039
Cardamom (cases)	32	1,049
Celery	...	1,168
Coriander	195	7,740
Cumin	118	2,092
Digitalis leaves (cases)	...	...
Dill	...	807
Fennel	315	1,130
Henbane leaves (bales)	...	126
Mustard	...	13,408
Poppy	...	20,395
Sage leaves (bales)	...	1,237
Sesame	1,716	13,976
Stramonium	299	339
Thyme	40	944

Price Changes

Prices were changed during the past week as follows:—

Advanced

Ginger root, African, ¼c. per lb.
Marjoram, Chilean, 2c. per lb.
Pepper, black, Lampong, ½c. per lb.
white, Java Muntok, ½c. per lb.
Saigon, ½c. per lb.
Pimento ½c. per lb.
Raspberries dried, 2c. per lb.
Sandarac gum, 5c. per lb.

Reduced

Arnica root, 1c. per lb.
Anise, star, ½c. per lb.
Borage flowers, 1c. per lb.
Calendula flowers, 1c. per lb.
Caraway seed, ¼c. per lb.
Cardamom, decorticated, 1c. per lb.
Celery seed, French, ¼c. per lb.
Coriander seed, ⅛c. per lb.
Cassia, Batavia, broken, ¾c. per lb.
Saigon, ¼c. per lb.
Deertongue leaves, ½c. per lb.
Ephedra herb, 1c. per lb.
Kamala, 2c. per lb.
Linden flowers, with leaves, 1c. per lb.
Pink root, 1c. per lb.
Pichi tops, 10c. per lb.
Sunflower, California, large, ¼c. per lb.
small medium, ¼c. per lb.
Sage, garden, ¼c. per lb.
Senega root, 1c. per lb.
Turmeric root, Alleppy, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.8	125.9	125.4	124.5

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Interest in spot offerings was conservative. Buyers bought their prompt needs only and such requirements were moderate in size. Quotations remained steady.

Fir.—Business compared favorably with that in recent weeks but was conservative at the very best and consisted more or less of jobbing requirements of a conservative number of consumers.

Barks

Black Haw.—Reports indicated that new crop collections were rising steadily but to an extent suggesting that stocks would not be above normal when the new season of consumption gets underway. Prices locally were unchanged in a quiet market.

Elm.—Quotations seemed to have become steadier. At least, no further reduction in prices on select bark have been made and some dealers expect present values to prevail for some time to come. Consumers will be amply served this year, judged by stocks available.

Orange Peel.—Sweet peel has steadied since the recent decline to 12c. to 13c. per pound. Reports indicated that any further, substantial change in the situation would await the reappearance of Spain as a major shipper of the article.

Sassafras.—Immediate demand was light but there were indications of a probable expansion along moderate lines in the not far distant future. Prices ruled steadily.

Wild Cherry.—Consumer requirements will be well supplied. Collections have been about normal and have been obtained at fairly attractive prices which forecast a probable stable schedule of consumer values during the active season ahead.

Beans

Tonka.—Routine transactions were the general rule, the same leaving no effect on prevailing prices. The market as a whole was a very steady affair.

Vanilla.—While new developments were lacking, the market remained generally one of considerable strength based on the fact that no surplus of world stocks was likely to remain after consuming requirements had been covered. In the meanwhile, Summer demand was reported to have been very good thus far, conditions favorable to an excellent consumption of manufacturers' products having prevailed steadily for many weeks.

Berries

Fish.—After a period especially inactive, the spot revived moderately during the past week and sufficient business was done to confirm prices quoted as the going market for some time past.

Raspberries.—Sellers advanced prices to the basis of 40c. to 44c. per pound, indicating once more the turn about of price trend and the gradual strengthening of the producers as offered in all markets.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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Flowers

Borage.—Inactivity clipped a cent from recent quotations on business placed locally under competition. The market was 16c. to 17c. per pound and had relapsed into very quiet position at the close of the period.

Calendula.—Some sellers said they had been able to buy at slightly better advantage abroad and spot quotations in such directions were shaded to the basis of 26c. to 27c. per pound.

Chamomile.—Despite the not especially active interest in either variety of this item, quotations on the spot remained in an apparently steady position last week in the absence of much competition. Replacement costs have moved little if any in favor of buyers of forward delivery merchandise.

Linden.—Flowers with leaves sold at 26c. to 27c. per pound under competition last week. Material without leaves failed to change. Trade was slow.

Saffron.—Further decline in prices for Spanish material failed to materialize locally, although the lot recently said to have been the cause of establishing present quotations was still unsold at the close of last week. It still seemed to be a buyers' market.

Gums

Aloe.—Reports from Curacao suggest that the crop has ended. Production during the quarter ended June 30 was estimated at 1,800 cases on Aruba, and 1,000 cases in Bonaire. Exports during the period aggregated 2,400 cases, 1,600 going forward from Aruba and the balance from Bonaire. The crop ended rather earlier than usual because of a lack of rain. Prices remained strong on the spot.

Arabic.—Undertones were steady in a market notable mainly for the very moderate consuming interest notwithstanding which prices remained very steady. Replacement cost varied very little during the period under review.

Benzoin.—Business was normal for the season, consisting usually of rather small orders from small manufacturing consumers. Quotations remained steady, being in line with the prevailing cost of replacements.

Karaya.—Very good trading was noted and the steady movement contributed to the maintenance of spot quotations and to the keeping of competition within bounds. Reserves assured a continuing supply for the consuming trade.

Sandarac.—Mail advices from the

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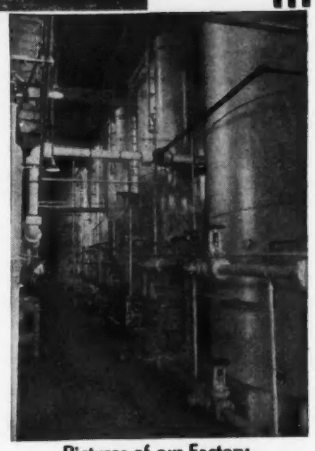

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source again confirmed the probable total absence of collection this year. The result was promptly developed locally when quotations went to the basis of 27c. to 28c. per pound.

Herbs and Leaves

Belladonna.—Stable prices prevailed on the spot, and the situation at home and abroad seemed to be very steady, notwithstanding the absence of more than moderate demand from domestic consumers.

Buchu.—Prices have become stabilized and throughout the past week a market of steady undertones but not a great deal of demand prevailed on the basis of 32c. to 34c. per pound. Some complained that the market as quoted was too low.

Ephedra.—Plentiful stocks existed, and the spot market was generally on the easy side. The market was 8c. to 9c. per pound as a going quotation for comparatively small lots.

Marjoram.—Chilean material was jumped to the basis of 14c. to 14½c. per pound last week. No change in prices on French or Tunisan material was made. Chilean goods seemed to be finding a broadening market in local circles.

Pichi.—One quarter named the market as 25c. per pound. Others wanted upwards of 35c. None reported much interest, consumers being disposed to hold aloof in hope that lower priced new crop goods would force values down in local circles.

Miscellaneous

Balm of Gilead.—Buds retained all of the recent advance, and, although there was not much demand last week, the market continued to show strength of undertone and a general tendency toward higher levels in the event of demand expanding substantially.

Ergot.—Foreign conditions were described as being apparently strong, notwithstanding the fact that normally values at this time would be softer in anticipation of new crop offerings. This year it appears that the Spanish market will be influenced by control of prices and sales to a degree not experienced before.

Kamala.—Values eased on the spot and the market was quoted at 20c. to 22c. per pound under competition at the close of the past week.

Lycopodium.—Demand of an extremely light sort has kept spot prices from reflecting fully the apparently firm position of the fairly high quotations last received from the foreign sources of supply.

Roots

Arnica.—One quarter shaded to 36c. to 37c. per pound to get an order shopped under competitive conditions. Business had been very light for some time. Replacement cost has not weakened much.

Golden Seal.—Recent advances have been maintained, but more for the reason that strictly N. F., quality root was hard to obtain than because of present consumer interest. The future price developments will depend on how good and how large is the size and quality of new production.

Pink.—Under the influence of new crop offerings, local quotations turned up on the basis of 31c. to 32c. per pound last week. As to demand, in was sufficiently light to encourage the slight tendency developed toward price shading.

Senega.—New crop offerings have been made at prices permitting offerings to consumers on the basis of 52c. to 54c. per pound depending on quantity. Sellers expected value to tend in buyers favor for a short time at least.

Turmeric.—Alleppy root was shaded to 6c. to 6½c. per pound. Madras held unchanged. Neither was in much request.

Seeds

Anise.—Star seed was lowered to 15c. to 16c. per pound in an inactive market. Spanish seed held unchanged and was also poorly called for.

Caraway.—Competition was more active and sales were made on the lower basis of 8½c. to 9c. per pound last week. Conditions favored consumer operations.

Cardamon.—The sole change in price came on that for decorticated material, which was sold on the basis of 71c. to 72c. per pound. Bleached and green seed seemed reasonably steady.

Celery.—French seed was a fraction lower at 14c. to 14½c. per pound. India seed lacked change. Demand was mainly for small lots.

Sunflower.—New crop influences were at work. Large California seed was shaded to 5⅞c. to 6¼c. per pound; medium, 4¾c. to 5¼c. The price of poultry grade was unchanged.

Spices

Cassia.—Broken Batavia cassia was lower at 10c. to 10⅜c. per pound. Also, Saigon was down to 15c. to 15½c. Other cassias were unchanged.

Ginger.—African root was up fractionally again, ending the week at 4½c. to 4⅝c. per pound. Values have been rarely so low. Other kinds of ginger lacked quotable change.

Pepper.—Black Lampong was up a small fraction to 3⅜c. to 3¾c. per pound. White Java Muntok was raised to 7¼c. to 7⅝c. White Saigon was also higher at 6¾c. to 7c. Red peppers held unchanged.

Trading in black pepper futures on the New York Produce Exchange from July 31 to August 4, inclusive, comprised 64 contracts, a total of 2,150,400 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
April	3.46	3.39	3.48@...
May	3.56	3.49	3.52@3.56
July	3.63	3.55	3.57@3.63
August	3.28	3.27	3.20@...
September	3.25	3.18	3.23@3.27
December	3.38	3.29	3.32@3.35

Pimento.—More demand brought higher quotations into being by the close of last week. The market at the end of the period was considerably firmer at 14¾c. to 15c. per pound.

Dennis E. Bergen, of the New York office of the Werner G. Smith Company, Cleveland, is enjoying a vacation at his Summer home in Blue Point, Long Island. He is expected back next week.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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Essential Oils, Aromatic Chemicals

July Business Reported Ahead of Last Year by Some Dealers — General Trade Said to Be Not Bad — Most Prices Show Substantial Stability

Dealers reporting on the condition of business during the past month indicated that in numerous instances sales were ahead of those in July of last year, in some instances by as much as 15 percent. Also, trade during the past week was reported to have been not bad at all. It was admitted that low prices had curtailed warranted profits but beyond that the market showed a major stability as to the prices on most items.

High quality origanum oil from Spain was higher and firmer in price. Natural peppermint on spot was slightly higher but the basic position of this oil seemed little changed. New crop is flowing into the drums of the farmers and the flush of production will be reached this month, according to some. The outlook for tansy and pennyroyal oils was a bit clouded but since the carryover was admitted to be small to nil, it was felt that prices for new production would yield an excellent return to the producers.

Citrous oils enjoyed good demand, the result of highly and long continued favorable weather and temperature conditions practically throughout the country. Lemon of domestic origin held a sharp advantage over the Italian product, being so much lower in price as to attract a major part of the business. Orange was in good request but competition and large stocks kept prices from improving.

A visitor from Australia who is expected to arrive in the United States during September for a stay of two months is interested in obtaining lines of toiletries. Full details regarding this visitor are available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms. Please refer to Foreign Visitor No. 918.

A visitor from France, who is expected to arrive in the United States on August 9 for a visit of six months is interested in obtaining lines of toiletry novelties. Full details regarding this visitor are available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms. Please refer to Foreign Visitor No. 920.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Origanum, high quality, 25c. per lb.
Peppermint, natural, 5c. per lb.

Reduced

Patchouli, 15c. per lb.
Pimento, leaf oil, 5c. per lb.
Wormseed, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.3	70.3	69.1	69.9

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Activity was along jobbing lines but leading sellers reported business not too bad throughout the past week. Quotations held apparently steady and little influenced by the element of competition.

Amber.—A slightly improved jobbing request developed a steadier undertone to prices and reduced the slightly competitive undercurrent that had been noted at times in the recent past. No change was made in values.

Anise.—The market was fairly soft locally and offerings of spot goods were made at 63c. per pound in drums for the USP article. The replacement market offerings of shipment goods continued favorable for buyers' operations.

Basil.—More than the ordinary interest developed locally and a fairly substantial sale of the article was made on the general going basis of $34 per pound.

Bay.—Buyers were conservative in their undertakings. The tendency was to buy close to actual needs and in view of the very good stocks warehoused on the spot, such a policy was one easily followed. Most of the calls involved jobbing lots.

Bergamot.—The market was narrow. Jobbing business built most of the total volume of transactions last week but the business was taken on the basis of fully firm prices that showed no tendency or capacity to change materially since the replacement cost was well maintained in the primary market.

Birchtar.—Compared with demand, the available supply was very good but on the whole the reserve was counted conservative in size, sufficiently so as to make the market moderately sensitive to the strengthening influence of an improved consumer request.

Bois de Rose.—Stabilization of the market continued in most respects and the market as quoted was activated by a moderate but very steady demand for quantities covering prompt requirements of a fair number of buyers.

Cajeput.—Buying was on a hand-to-mouth basis and bulked rather small at the close of last week. However, in the absence of much local competition, values seemed to be generally firm as quoted.

Camphor.—The situation showed little change. Moderate stocks were the rule and a return to normal reserves was not likely because of the prevailing policy of the Japanese suppliers who prefer to sell the products obtained from this oil rather than to sell the raw material.

Cassia.—The market continued to be competitive and generally on the easier side. Local conditions appeared to favor buyers, dealers being disposed to shade when important commitments entered the market. Trading was along moderate lines last week.

Catnep. — Natural oil seemed unobtainable. An article described as commercial and believed to be an imitation used for trapping purposes was offered on the basis of $4.75 per pound.

Citronella. — The replacement price did not change on Ceylon oil but it remained fairly low in price at the shipment port without too much business resulting. Java oil continued cheap notwithstanding several efforts to improve the price.

Clove.—Business was of the ordinary run-of-pile sort that consisted mainly of requirements of smaller manufacturing consumers. Prices were generally steady, especially so as concerned the actual producers of oil in this country.

Dill.—A very fair movement, one entirely seasonal in character, was reported locally and the trade expected demand to gain gradually as activity of the pickling industry draws toward its climax. Prices were favorable in all respects.

Geranium.—Algerian oil was available spot at as low as $2.35 per pound. The range according to seller and quality was to $3. Bourbon oil was $2.40 to $3 per pound, also according to quality.

Lemon.—California oil continued to hold at $2.50 per pound and being so sharply under the price for Italian oil, received the bulk of domestic consuming request. Fortunately, stocks of the domestic product were ample. Italian oil ranged $3.15 to $4 per pound, according to brand and seller. Favorable weather and temperature conditions kept demand active.

Lemongrass.—Leading agents of primary market shippers reported doing an excellent business in this article for later delivery. Prices have been generally favorable for consumer operations. Local quotations ruled steadily throughout the period.

Orange.—Price improvement has been impossible, mainly because of the keen

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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competition that African oil offers all other varieties. It has been an excellent season for consumption and a steady flow of orders reached the spot to be placed under highly favorable price conditions.

Peppermint.—The situation in the country did not change much. New crop is coming into the warehouses of primary market dealers and much of the oil received has been excellent in quality. The full flush of production has yet to be reached, but rising output is due throughout this month. Nothing further has been learned of Russian material, but the ship news is being watched closely for further arrivals of this article so distinctly competitive with the domestic oil which, in the opinion of many domestic producers, is not adequately protected by the present duty 25 percent.

Petitgrain.—The market was very steady and business was considered to be very good, all things reckoned. Prices were well maintained and totally free from any tendency toward competitive shading.

Pimento.—Leaf oil was slightly lower at $2.25 to $2.30 per pound. Berry oil remained very firm in price and was supported by equally firm undertones activated by a very fair consuming request.

Pineneedle.—Siberian oil was in steady request at firm prices. Stocks were of fair size, replenishments having covered very well the withdrawals to meet consuming request during the past month or two.

Wormseed.—Spot offerings were made at $2.30 to $2.35 per pound, minimum quotations being named slightly closer to actual sales figures last week. Basically, the market at the moment displayed considerable strength.

Aromatic Chemicals

Anethol.—Business was fairly good but was built mostly by orders of moderate size that were obtained at full market prices notwithstanding the fact that raw material remained as weak as ever.

Benzyl Compounds.—Practically all materials within this group remained well stabilized as to price and were also the object of a very fair demand from manufacturing consumers. Stocks were available in ample quantities.

Cinnamic Alcohol.—Routine request was the general rule and volume was mainly conservative since numerous of the larger users have not been compelled to enter the market for some time. Prices continued to be steady.

Cinnamic Aldehyde. — Sales were fairly numerous but involved moderate quantities at all times last week. For the most part, conditions appeared to be favorable for greater consumer activity than was current during the past week.

Citral. — Small lot buying was in keeping with the fact that the item does deteriorate with age. The general market was steady throughout the past week and prices were well held.

Coumarin. — Seasonal demand was very good and buyers found the market mainly to their liking in that it was free from any tendency toward movement of prices and supplies were in ample reserve at all points.

Diphenyl Oxide. — Movement into consumption was about normal and the market had a general appearance of stability and freedom from competition likely to upset at an early date the well maintained prices on all quantities.

Ethyl Vanillin. — Prices failed to change and appeared to be in steady position. Movement into consumption was up to that in recent periods and continued needs of substantial proportions tended to give values support in maintaining a steady character.

Eucalyptol. — Demand was moderate. Consuming industries partook moderately of local offerings last week, especially as concerned the business reaching resellers of the item. Prices remained very steady.

Hydroxycitronellal. — The stable quality of a special grade of this article commended it to many manufacturing consumers and being available at highly favorable prices, improvement in general sales was expected to continue.

Vanillin. — Seasonable request was very good and a substantial movement into consumption gave a deal of support to already very steady spot prices. Supplies were ample in all respects.

Seven Up Bottling Company of Los Angeles has offered to residents of California 20,000 shares of no par common stock at $10 a share.

Trade Briefs

F. C. Turner, an executive of the Emerson Drug Company, has purchased a home in the Westfield section of New Jersey.

Dow Chemical Company, Midland, Mich., has taken additional space for its Chicago office, located in the Field building.

Soap and toiletry shipments to Hawaii Continental United States in 1938 were valued at $1,607,481, against $1,595,141 in 1937.

Carl Whiteman has resigned as vice-president of the General Foods Corporation, this city, the resignation to become effective October 1.

Nehi Corporation, beverage manufacturer, Atlanta, sales in the first six months of 1939 were 25 percent higher than in the similar period in 1938.

Dr. Robert C. White, head of Robert C. White & Co., household disinfectant manufacturer, Philadelphia, who has been city controller for the past several years, has received the mayoralty nomination of the Democratic organization.

John H. Montgomery, secretary of Fritzsche Brothers, essential oils and aromatics, accompanied by Mrs. Montgomery and their three children, is vacationing at Chazy in the Lake Champlain country in upper New York State. He will return to business September 5.

Albert I. Kegan, formerly with the United States Food and Drug Administration and the chemistry faculty of the Armour Institute of Technology, has opened an office at 53 W. Jackson boulevard, Chicago. Mr. Kegan not only represents manufacturers and shippers at Food and Drug Administration hearings and citations, and advises in regard to labeling requirements, but is also available for chemical research, analyses, and certification.

Toilet Goods Ass'n Studies Cosmetic Color Supply

In order to assure an adequate supply of certified colors, it was decided, at a meeting of cosmetic manufacturers and coaltar color makers, held under the auspices of the board of standards of the Toilet Goods Association, July 21, to secure a list of all colors available at the present time in certified batches, or for which certification is expected before September 1. At the same time cosmetic manufacturers are urged to inform the association before August 10, what primary uncertified colors are required for the preparation of mixtures for shades now being employed.

J. A. Gauer Appointed Manager Of Fritzsche Chicago Office

Joseph A. Gauer has been appointed manager of the Chicago office of Fritzsche Brothers, essential oils and aromatics, this city, succeeding the late Michael B. Zimmer. Mr. Gauer has worked out of the Chicago office since 1925, a fact which will aid greatly in making his supervision of sales throughout the Chicago territory successful.

Thomas Joins Bourjois, Inc.

H. Gregory Thomas will join the staff of Bourjois, Inc., cosmetic manufacturer, this city September 1. He will act in a general advisory capacity in matters of trade and consumer relations and be in charge of work pertaining to compliance with the Federal and State regulatory measures. Mr. Thomas, formerly vice-president and general manager of Guerlain, Inc., this city, created the board of standards of the Toilet Goods Association and served as its director for the past three years.

Gelatin Capsule Equipment Described by Colton Company

Modern equipment for the manufacture of soft gelatin capsules is pictured and described in a new booklet issued by the Arthur Colton Company, Detroit, Mich. Machinery for handling the gelatin from its raw state to the finished capsule is treated. Among the items presented in the booklet are an agitator for use in soaking the gelatin, a water jacketed melting tank, a ribbon machine for make a gelatin leaf accurate as to thickness, and a self-contained hydraulic press for making soft filled elastic capsules. Copies of the booklet may be secured by addressing the Colton company, mentioning REPORTER.

NEW PURITY IN
WHITE OIL!

Knowing of the intense trade demand for an absolutely pure White Oil that will protect manufacturers against costly troubles with odor, taste, color and evaporation, Penn-Drake research experts, for many years, painstakingly experimented for a super-filtration process that would positively remove all impurities in oil.

The successful result of their efforts is the new Karnsite Process, which goes far beyond ordinary White Oil refining methods in protecting the oil completely from contact with air and in removing practically every trace of impurities that the most stringent tests can discover. It removes every trace of acid, sulphur, wax and other foreign substances as demonstrated by all standard tests.

The supreme purity in White Oil, now available through Penn-Drake's exclusive Karnsite Process, will reduce deterioration expense, improve the quality of your product, and increase its sales popularity. Yet it costs no more than ordinary, inferior White Oils.

Get the facts! Send for this booklet, which gives many suggestions for reducing manufacturing costs and losses from deterioration, "Making Your Pharmaceutical or Cosmetic Products More Profitable."

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penn drake petroleum products

PENN-DRAKE PRODUCTS
U. S. P. White Oils and Technical Oils... Petrolatums... INSECTI-SOL ...Waxes... Naphthas ... Rubber Solvents Motor oils and greases ... High flash lubricants... Industrial lubricants and greases

Petroleum Solvents Lubricants, Fuels

Natural Gasoline Advanced in Midcontinent — Rubber Solvent in Good Demand — Refined Paraffin Wax, Pennsylvania Lubricants Strong—Tankwagon Gasoline Up in Texas

Natural gasoline moved to higher ground last week to provide the outstanding development in the petroleum market. The advance in price was seen two weeks ago when the market was reported very strong, so when the increase did materialize it was not unexpected. The price rise buoyed up the market for petroleum hydrocarbons in the light gaseous group, although no prices there were changed.

Rubber solvent continued to be one of the strongest materials in the refined market. Rubber tire producers were keeping output at a high level and therefore were active in calling for heavy stocks of the solvent. The renewed activity in the paint manufacturing trade held during the period under review and for the second successive week there was a good demand for petroleum thinners and v.m.&p. naphtha. Lacquer diluent was also in better demand.

Refined paraffin wax prices were unchanged but continued very strong. Inventories were low and demand continued fairly heavy, so an advance in quotations will not be unexpected. The market for both imported and domestic white mineral oil was routine, while conditions surrounding petrolatum remained favorable.

Pennsylvania lubricants continued very strong and lubricants in the Midcontinent area were in a better position. Tankwagon gasoline was advanced in principal cities of Texas and reduced in Decatur, Ill., and Des Moines.

Importation of crude petroleum into the Netherland West Indies during 1938 represented a value of $136,773,829, compared with a value of $125,275,076 in 1937. Exports of petroleum products were valued at $175,774,183 in 1938, against $141,224,918 the previous year.

Solvents and Diluents

Conditions in the market for petroleum solvents and naphthas did not change from the previous week. There was a fairly good demand in evidence along the Eastern seaboard and shipments were more or less regular. Rubber solvent was the most active material due to briskness in the manufacture of rubber tires. A good proportion of cleaners' naphtha went into consumption in the Midwest where the general market was holding well. A similar situation existed in the Midcontinent area. No prices were changed.

Cleaners' Naphtha. — Demand slackened slightly during the period under review but shipments into consumption were still in good volume. The price was firm.

Lacquer Diluent.—Lacquer manufacturers called out a bit more material last week indicating an upturn in the output of that product. Price was firm.

Petroleum Thinners.—The activity of paint manufacturers continued unabated last week and shipments were a bit steadier. This marked the third week in succession that renewed interest in offerings of this paint ingredient was seen. On top of that, inquiries for future delivery were at a higher level. Prices were firm.

Rubber Solvent.—The sharp increase in the production of rubber tires was reflected in the conditions surrounding this market. Tire makers were ordering out large volumes of this solvent. This situation has been going on for several weeks now and the market here has naturally been very strong, despite the heavy demand, prices were unchanged.

V. M. & P. Naphtha.—Similar to the situation in the market for thinners, the demand for this material was better last week due to the renewed activity in the paint trade. Pricewise, there was no change.

Chicago, Aug. 3.—Trade in petroleum solvents and diluents is holding up comparatively well. Buying of cleaners' material has been of good proportions. Paint industry takings have involved a considerable amount of material. While there is no special tendency toward broadening the basis of trade activity, a fairly good tone is reported. Ruling prices in tankcar lots, except as noted, are (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4¼c. to 4⅜c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar, 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c. tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, Aug. 3.—The higher operating levels at the refineries has not affected any of these products as refiners do not appear to be pressing any of the material for sale. Quotations remain the same as last week with the tone steady. The rubber solvents were in greater demand this week and a bulge in the demand for cleaners naphtha also developed. The tone of all of the products is steady with rubber solvents and the v.m. & p. as the leading products. Stoddards are also in fair demand.

Lighter Fractions

Petroleum hydrocarbons in the light gaseous group have more fundamental firmness due to the advance in the position of natural gasoline in the Midcontinent area last week. Despite the latter advance, however, materials in this division of the market held to their quoted prices and showed no indications to change.

Butanes. — Demand and shipments were routine last week. Prices held firmly to the previously quoted schedule. Consumers were ordering material in fairly regular fashion but the majority of the orders called for small amounts of material.

Hexane.—The market was buoyed up by the advance of natural gasoline, but the price continued without revision. Larger buyers were showing less interest in offerings, but the smaller consumers were still trading briskly. Quotations were 12½c. per gallon for the normal grade and 14c. per gallon for the laboratory grade, both basis Group 3.

Heptane.—The market was routine with a slight increase in orders. The price was unchanged at 11c. per gallon for car lots of the mixed material and 11½c. per gallon for car lots of the normal.

Propane.—Similar to hexane the market here mirrored the strength of the natural gasoline situation in the Midcontinent. Shipments were for small gallonages, but were fairly regular. Prices were unchanged at 11½c. per gallon for the normal material and 14c. per gallon for the laboratory grade, both basis Group 3.

Octanes.—The demand for this mixture was routine last week with material being sold at 12½c. per gallon in car lots.

Petrolatums and Waxes

Refined paraffin wax continued to hold the spotlight in this division of the petroleum market. Quotations were unchanged, but were very strong. Crude wax held firmly. While mineral oils and petrolatum continued routine. Reports from the Midcontinent area indicated that the crude market was firmer, with a good export demand in evidence. No special features were noted in the Midwest.

White Mineral Oils.—Demand held to a good level during the period under review, with the domestic product especially active. Importers reported no change, with shipments small and irregular. Prices for both materials continued without revision.

Petrolatum.—Conditions surrounding the market continued to be favorable, but, despite this, there was no strengthening of price noticed. Orders were placed at a satisfactory rate and shipments were in good volume.

Paraffin.—For the second successive week refined wax was very strong. Demand continued fairly heavy and inventories were low. These facts, coupled with decreased production, exerted pressure against prevailing prices, but none were advanced. The market for crude scale wax continued without change, and the quoted prices held firmly.

Chicago, Aug. 3.—Trade in refined petroleum wax holds up fairly well, with no special feature noted. Orders have followed the pattern of the market in recent weeks and little has developed in the way of new trends. Offerings are in line with those of the recent past. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.7c. to 4.75c.; 130-132, 5c. to 5.05c.; 132-134, 5.25c. to 5.3c.

Tulsa, Aug. 3.—There is a firmer market following the shading of quotations last week. A high export demand is noticed in the Midcontinent market and most of the trading is being effected at 3c. The 124-126 grade American crude is quoted at 2⅞c. to 3c. per pound.

Fuels and Lubricants

An advance in the price of natural gasoline in certain areas of the Midcontinent provided the feature in the division of the petroleum market last week. Tankwagon prices on gasoline in Fort Worth and Decatur, Ill., were advanced and reduced, respectively. Pennsylvania lubricants were strong.

Gasoline.—Demand held to high levels along the Eastern seaboard last week, with prices firm.

Kerosene.—The market was routine with no prices changed. Shading, which was reported two weeks ago, was not seen in the market.

Fuel and Gas Oils.—Heavy fuel oil was in good demand and furnace oils picked up slightly. Prices were unchanged.

Outputs and Quotas

A comparison of Bureau of Mines calculations for July productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended July 29 follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	456,100	428,000	420,400
Kansas	160,300	166,000	179,400
Texas 1	,426,500	†1,362,158	1,359,700
Louisiana ...	264,500	264,163	275,600
Arkansas ...	53,900	61,117	62,950
Illinois	187,400	....	276,300
Eastern	105,900	....	97,650
Michigan ...	53,200	....	68,150
Wyoming ..	73,200	....	66,150
Montana ...	16,100	....	16,200
Colorado ...	4,800	....	3,850
New Mexico.	116,100	116,100	109,150
California ..	595,200	‡595,000	603,600
Total.....3	,513,200	....	3,539,100

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of July. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Net daily average basic allowable for the thirty-one (31) day period beginning July 1st. Shutdowns are ordered for all Saturdays and Sundays during July.

‡ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Crude oil and tankcar gasoline prices were unchanged last week.

	July 29	July 22	Last Year
Crude petroleum price at well (average for ten fields) per barrel.....	$1.147	$1.147	$1.26
Gasoline prices at refineries (at four refining centers) per gallon.....	.0492869	.0492869	.050625

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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FACTORIES AT CLIFTON, N. J. AND DEUILLAMS (EURE) FRANCE

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1939 Jan. 1-Aug. 5	1938 Jan. 1-Aug. 5
Commercial crude oil production	755,060,000	716,056,700
	Week ended Aug. 5, 1939	Week ended Aug. 6, 1938
Daily average production	3,603,233	3,304,300
	Week ended July 29, 1939	Week ended July 22, 1939
Estimated motor fuel stock total	77,887,000	77,960,000
Estimated finished motor fuel stock total	71,716,000	71,866,000

Lubricating Oils.—Pennsylvania grade lubricants were strong last week although no prices were advanced. Demand was good.

Tankwagon Price Changes

Principal sellers reduced third grade gasoline 1.5c. per gallon to 10.7c. at Decatur, Ill., and 0.5c. per gallon to 12.5c. at Des Moines. Gasoline was advanced ½c. to 1c. per gallon in Fort Worth and other Metropolitan areas in Texas.

Markets at Other Centers

Chicago, Aug. 3.—Indications of some irregularity in the tankcar gasoline market have been noted here, incident to comparatively large output of gasoline in some refining districts, although the record-breaking consumption is keeping material fairly well cleaned up on the whole. Spot prices have changed little. Tankwagon markets, especially third-grade, have shown some tendency to grow more irregular in recent days. Kerosene is dull and weak. Tractor fuel orders are brisk. The light heating oils are seasonally dull and quiet. Heavy fuels are in good tone and moving well. Lubricating oils continue slow.

GASOLINE.—Low octane motor, 4¼c. to 4⅜c. per gallon; 63-66 octane motor, 4½c. to 4⅝c.; 67-69 octane motor, 4¾c. to 4⅞c.; 70-72 octane motor, 5c. to 5⅛c.; 60-62, 400, 4¼c. to 4⅜c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—Range oil, 3½c. to 3⅝c. per gallon; No. 1 white, 3⅝c. to 3½c.; No. 1 straw, 3¼c. to 3⅜c.; No. 2 straw, 3¼c. to 3⅜c.; No. 2 dark, 3¼c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Aug. 1.—Firmnes continued to prevail in the domestic market during the past week—all prices remaining unchanged. Foreign inquiries and exports continued good. U. S. motor gasoline was quoted at 5⅝c.; U. S. motor, below 62 octane, at 5⅜c.; 63-67 octane at 5⅞c. and 68-70 octane at 6½c.—all prices being quoted on a per gallon rate at refinery.

Kerosene was quoted at 7⅛c. per gallon at refinery.

Bunker C fuel oil was quoted at 80c. per barrel at terminal and 85c. per barrel delivered alongside, while industrial plants were quoted on this commodity at $1.36 per barrel, delivered.

Tulsa, Aug. 3.—Prices are again unchanged this week with the exception of natural gasoline which has become higher and the volume of shipments in gasoline is probably at the highest level in history.

The market for industrial products appeared to be more active. There was a larger movement of rubber solvents whose prices were unchanged. Naphthas and diluents were steady. Industrial fuel oils continue to be in large demand with quotations unchanged and wax also came in for more interest this week. However, prices in the latter were also unchanged but the tone was firmer.

Following are the approximate quotations for the various products traded in the Midcontinent market on the basis of Group 3:—

GASOLINE.—Unchanged. U. S. motor, third grade, 4¼c. to 4⅝c. per gallon; 63-66 octane, 4½c. to 4⅞c.; 67-69 octane, 4¾c. to 5⅛c.; regular, 70-72, 5c. to 5⅜c.

KEROSENE.—Soft and unchanged. 41-43 grade, 3⅜c. to 3⅝c. per gallon and 42-44, 3⅝c. to 3⅞c.

NATURAL GASOLINE.—Strong, with quotation ⅛c. to ¼c. higher in some areas. The 26-70 grade is 2⅞c. to 3c. per gallon and the 18-55 is 3½c. to 3⅝c.

DISTILLATES.—Soft, with some concessions for immediate movement. No. 1 prime white, 3⅝c. per gallon; straw, 3c. to 3¼c.; No. 2 straw, 2¾c. to 3c.; other gas oils, 2¼c. to 2⅝c.

FUEL OIL.—Heavy demand from industrial centers is causing greater shipments from the plants. Prices are unchanged with the 24-28 at 80c. to 90c. per barrel. Below 15 degrees, 40c. to 65c., the lowest prices in the central western plants.

LUBRICANTS.—A higher quotation in the Pennsylvania market has left this market untouched as quotations remain the same as last week. However, the demand appears larger and shipments are greater this week. The tone is steady.

Trade Briefs

Fletcher Oil Corporation, Los Angeles, plans construction of a new plant at a cost of $20,000.

Standard Oil Company of Indiana awarded gold service pins to 1,380 employees during 1939.

Rumania oil production fell 6.73 percent in the first six months of this year, total output being 3,105,000 tons.

Standard Oil Company of Ohio, has elected G. W. Hanneken and S. A. Swensrud vice-presidents of the company.

General Petroleum Corporation of California is building a new office structure in Santa Fe Springs, Calif., at a cost of $3,000.

Stanolind Pipe Line Company will construct a sixteen-mile line from the Cayuga field, Anderson County, Tex., to its pumping station at Palestine, Tex.

Utah Refining Company, subsidiary of Standard Oil Company of Indiana, on August 1 started construction of a 438-mile pipeline from Salt Lake City to Fort Laramie, Wyo., at an estimated cost of between $4,000,000 and $7,000,000.

Soap Industry Wage Set For U.S. Contract Work

—Continued from page 4

industry was held by the Public Contracts Board of the Department of Labor July 13, 1938, based upon a survey made by the Bureau of Labor Statistics. The board recommended a minimum wage of 40 cents an hour and the only objection filed to this recommendation was a request for a tolerance for workers known in the industry as "light task workers." The secretary held that this group of unskilled workers was considered by the board in making its recommendation and that the objections were not sufficient to justify a wage differential for these workers.

The board also recommended that there was not sufficient data to justify setting up a geographical wage differential, but the secretary's order stated that if manufacturers in the South are deprived of government contracts because of this wage determination they will be given another opportunity to furnish complete information with respect to wages paid in the soap industry in the Southern States.

Mexican Oil Sale by Davis Upheld in French Court

Le Havre, Aug. 2, 1939

The French Civil Court today ordered a British concern, the Mexican Eagle Oil Company, to pay damages to purchasers of oil which had been impounded in a legal action here by which the British company sought to prevent the Mexican government from selling products of expropriated oil wells.

A cargo of 13,500 tons of Mexican gasoline was allegedly purchased by W. R. Davis, New York, and sold by Davis & Co. to several French importers. On the arrival of the cargo in France, the British company, a subsidiary of Royal Dutch Shell, seized it by a provision order of the civil court of Le Havre.

This ruling was reversed on the grounds that Mexican Eagle Oil was unable to prove that the gasoline, or the crude from which it was refined, came from the expropriated concessions of Mexican Eagle.

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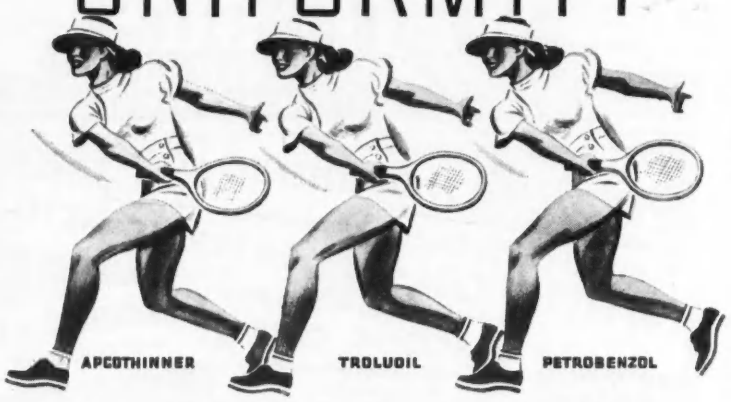

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Fertilizer Materials

Listless Market Continues — Feed Tankage in Better Demand — Florida Fish Catch 50 Percent Off — Chicago Blood Reduced—Raw and Steamed Bone Lowered

Inactivity continued to prevail in the market for raw fertilizer materials last week. The sole bright spot appeared to be a slight pick-up of interest on the part of buyers of feed tankage in mid-week. Domestic raw bone was offered at New York at a lower price than had been previously quoted, while steamed bone meal was also reduced.

A dull market was likewise reported in the lower South. The fish catch off the Florida coast has been disappointing and was estimated to be about 50 percent of normal. The tobacco market gained strength, however, with prices more favorable than two weeks ago. In the Middle Atlantic States a touch of firmness was in evidence which led many quarters to predict a good Fall business. Producers of fish scrap are doubtful whether they can fill all orders due to a small catch. The tone of the market in the Midwest seemed steadier, although offerings were in moderate volume and orders limited. High-grade blood was reduced.

Imports into the United States of chemical fertilizer materials containing two or three of the principal plant food elements during 1938 totaled 122,900 long tons, a sharp increase over the 19,061 long tons imported ten years previously.

A bill (H.R. 7331) to impose an excise tax of ½ cent per pound on importations of fish scrap, fish meal, marine animal scrap and marine animal meal has been introduced in Congress by Representative S. O. Bland of Virginia.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

Blood, high-grade grd., 5c. per unit, f.o.b. Chi.
Bone, raw, dom., $1 to $2 per ton, f.o.b. Chi.
meal, steamed, dom., $1 per ton, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Buyers of feeding tankage became more prominent in the market last week which was the only highlight in a slow and listless period. Most prices continued easy with high-grade blood lowered.

Dried Blood.—The principal grade was lowered 5c. per unit-ton to $2.30, f.o.b. Chicago. Other prices were unchanged.

Fish Scrap.—No further sales of domestic menhaden were reported. Factories will be hard-pressed to meet orders already booked because of a light catch so far this year. Prices were unchanged.

Sulphate of Ammonia.—Producers were fairly active in contract negotiations for delivery in the future. The maximum price concession period ended exactly one week ago and material last week was being offered at $26.75 per ton for August shipment.

Tankage.—Buyers of feeding tankage became more active around midweek which helped to bolster a weak market. Prices were somewhat easier, but on the whole were unchanged from previous quotations.

Potashes

Booking of contracts for agricultural potash salts held the interest of producers last week. The second price concession period lasts until September 30. Orders placed on or before that date will be subject to a 5 percent discount. A total of 199,591 long tons of potassium muriate were imported into the United States during 1938. This was approximately 13 percent of the tonnage of all fertilizers imported last year.

Phosphates

Several weeks of inactivity in the market for bone materials resulted in reductions in the price of domestic raw bone and steamed bone meal last week. Otherwise there were no changes in this division.

Bone Material.—Domestic raw bone was reduced $1 to $2 per ton to a new level of $27, f.o.b. Chicago. Domestic steamed bone meal was lowered $1 per ton to $26, f.o.b. Chicago. Interest of buyers was lacking.

Phosphate Rock.—No changes of consequence were reported during the week. Prices were firm.

Superphosphate.—The market was routine with buyers ordering only enough material to cover immediate needs.

Sulphur and Pyrites

The market for both materials was routine, with no changes in either price or demand. Shipments, on the whole, were small in volume. Exports of sulphur from Chile dropped to 5,886 metric tons in 1938 from the 1937 figure of 19,669 metric tons. As in previous years, Brazil was the principal consumer of Chilean sulphur.

Markets at Other Centers

ATLANTA, Aug. 3—Orders for sulphate of ammonia are reported to have covered materials on hand and summer production of southern producers. Organic ammoniates are quoted at low prices on a dull market. The catch of fish off Florida is reported over, with a very light haul, about fifty percent of a normal catch.

Crop conditions in the southeast are reported fair to good. Hot, dry weather favors the fruiting of cotton and boll weevil control. The tobacco market in Georgia which opened with disappointingly low prices, organized protests of growers and appeals to State and Federal authorities, has improved as better quality tobacco has reached the markets. Quotations are as follows:

SUPERPHOSPHATE.—52½ cents per unit, southern interior points.

NITRATE OF SODA.—$27 per ton, bulk, port basis.

SULPHATE OF AMMONIA.—$26.75 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $23.50 per ton southeastern mills.

NITROGENOUS.—$1.90 per unit, midwestern producing points; foreign $2.35, port basis.

BLOOD.—$2.30 per unit, basis Chicago; foreign $2.70 port basis.

TANKAGE.—S. Am., $3 and 10c., c.i.f. ports; Chicago, $3 and 10c.

FISH.—Menhaden meal $45.00 per ton; acid scrap, $2.35 and 10c per unit, port basis.

Baltimore, August 3 — Business in crude fertilizer materials continues quiet, though with a touch of firmness, suggestive of the revival in buying which the approach of the fall is expected to bring. Prevailing quotations are as follows:

FISH SCRAP.—Fishing has continued rather light, so that the accumulation of orders adds to the obligations of the producers, who cannot yet determine whether they will be able to take care of these commitments or whether they will wind up with many of them unfilled.

TANKAGE.—The market for this ammoniate is quiet, with prices unchanged.

DRIED BLOOD.—This product is reported to be inactive, with domestic stocks available at $2.50 per unit-ton f.o.b. shipping point, and with South American supplies being offered at $2.70 per unit-ton c.i.f.

NITROGENOUS MATERIAL.—Lack of activity is evident in this item, which is traded on a small scale only, and with prices firm at $2.30 per unit.

Chicago, Aug. 3—A slightly more stabilized situation is reported in the general fertilizer materials market here and the tone seems steadier. Material is moving out at a rather moderate rate, but buyers seem a little more willing to place orders, apparently on the theory that the market has readjusted itself. Offerings are in mostly moderate volume. Blood is quiet. Tankage is fair. Bone materials have been attracting moderate interest.

BLOOD.—Principal grade, $2.30 per unit of ammonia.

TANKAGE.—High grade, feeding, $3 and 10c.; hoof meal, $2.50; liquid stick, $1.50 to $1.75.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 percent, $23 to $34; 3 and 50 percent, $25; 4½ and 50 percent, $25 to $27; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $25 to $26; beef cracklings, soft pressed, $40 to $42.50; pork crackings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 77½c. to 80c.

San Francisco, August 1—The week witnessed further important contracting ahead on chemical fertilizer products for the coming season's requirements. Sulphate of ammonia played the chief role and there was every reason to believe that business conditions in the trade were going to justify purchases at least equal to if not better than those of the previous season. The spot market in organics has been somewhat slow. Ruling prices are:—

SULPHATE OF AMMONIA.—100-pound bags, $34.50 per ton, delivered, which includes $4.40 freight allowance from factory. Freight exceeding this allowance to be paid by consignee.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex-vessel or warehouse; 200-pound bags, $28.30 per ton, ex-vessel or warehouse.

SUPERPHOSPHATE. — Domestic, 75c. per unit in bulk, f.o.b. producer's plant. Bags, 85c. per unit.

FISH MEAL.—New crop California sardine meal, $39 to $40 per ton, f.o.b. San Francisco/Monterey. Oregon and Washington meal, $36.50 per ton f.o.b. production point.

TANKAGE.—Unground, fertilizer, wet rendered, domestic, $2.90 and 10c. per unit-ton, f.o.b. cars, South San Francisco. Dry rendered, ground, $42.50 per ton, f.o.b. cars, South San Francisco; unground dry rendered, 70c. to 72½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Domestic $2.60 per unit, f.o.b. cars, Los Angeles.

Potash Company of America, Baltimore, was host to its office staff and salesmen in the Baltimore territory at an outing at the Club Del Rio on the Severn river, near Annapolis. C. C. Smith, vice-president of the company, presided at the dinner climaxing the outing.

Tin-Smelting Industry For U.S. Advocated

OPD Washington Bureau
August 2, 1939

Establishment of a tin-smelting industry in the United States was today advocated by Representative Bloom, chairman of the house foreign affairs committee. He held that the collapse of the Bolivian situation and other realignments between tin producing and tin consuming countries as well as the doubling of the United States military and naval programs, made such a step imperative. He cited the findings developed in an investigation by the committee in 1935 which recommended unanimously the establishment of such an industry. At present Bolivian tin is smelted in England and shipped to the United States.

International Match to Pay Dividend in Eight Months

The International Match Realization Company, in a letter to holders of voting trust certificates, stated that receipt of a further dividend from the Irving Trust Company, as trustee in bankruptcy of the International Match Company, reasonably might be expected within six or eight months. After payment of the $20 a share liquidating dividend on the voting trust certificates of the International Match Realization September 11, 1939, the letter pointed out that the company would have in the treasury $210,000 cash.

Fink With International Nickel

Louis A. Fink, who for twenty years had been affiliated with the New York News Bureau Association, has been named assistant to T. H. Dauchy, manager of the company's public relations bureau.

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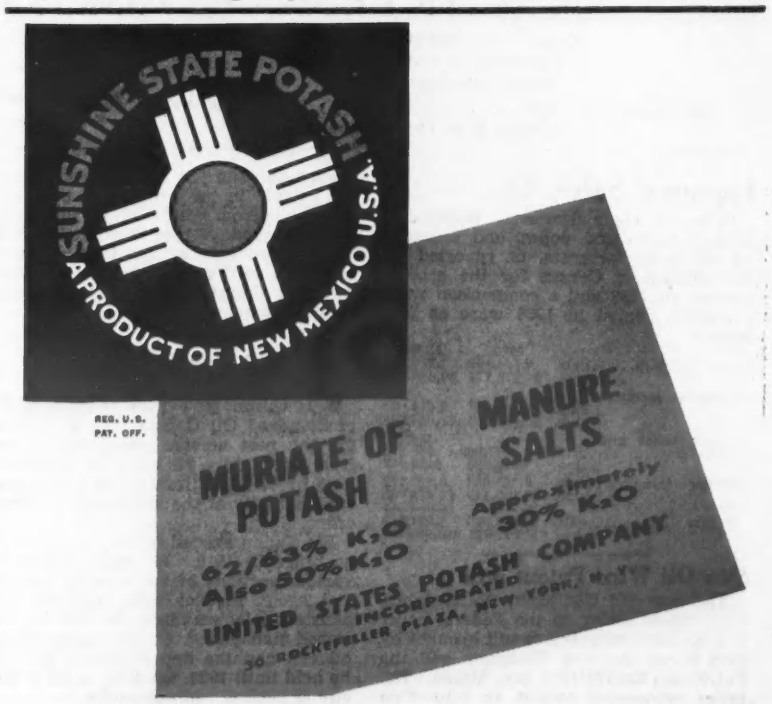

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Lacquer Sales Up

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the second quarter of 1939 and a comparison with a similar period in 1938 were as follows:—

		1939.	1938.
Clear lacquers	gals.	2,534,102	1,790,186
	value.	$3,376,777	$2,448,785
Pigmented lacquers	gals.	2,683,827	2,014,625
	value.	$6,010,163	$4,646,696
Lacquer bases and dopes	gal.	607,969	353,983
	value.	$674,790	$415,467
Lacquer thinners	gals.	4,788,038	3,822,772
	value.	$3,222,145	$2,698,808
Totals	gals.	10,613,936	7,981,566
	value.	$13,283,875	$10,209,757

Sun Oil Wins Patent Suit

The Sun Oil Company, Philadelphia, was upheld today in the Federal court in a patent infringement suit brought by Red River Refining Company and the Petroleum Derivatives, Inc., Maine. The latter companies sought an injunction against the Sun Oil for infringement of the patents in the production of lubricating oils from petroleum by the distillation method. Judge Kirkpatrick held that the processes set out in the patents had been used previously in the industry, and therefore the ideas specified were not patentable.

Wilkinson Heads N.Y. Office Of California Standard Oil

J. L. Quinn, New York representative of Standard Oil Company of California for the past eleven years, has retired from active duty. He has been succeeded here by W. W. Wilkinson, formerly general manager of the company's Mexican office.

Mr. Quinn started in the San Francisco office in 1910. He then worked in various sections of the country as special agent, district sales manager and assistant sales manager. In 1924 he was named manager of the company's refined oil and naphtha department, a position he held until 1928, when he came to this city as general representative.

The career of Mr. Wilkinson, who has been with California Standard for twenty-two years, paralleled that of his predecessor. He started with the company in 1917 and for ten years acted as special agent and sales superintendent in various sections of the Sacramento valley and Washington. In 1927 he was sent to Mexico to head the company's office there, and stayed until 1937, when he returned to the home office for two years.

Montana Oil Leases To Be Auctioned Sept. 21

Open public auction of oil and gas leases on 120 acres of public land in the Mosby Dome of the Cat Creek oil and gas field, 75 miles east of Lewiston, Garfield county, east central Montana, will be held at 10 a. m., September 18, in the District Land Office at Great Falls, Montana, Secretary of the Interior Harold L. Ickes today was advised by Commissioner Fred W. Johnson, of the General Land Office.

Louisiana 'Hot Oil' Complaint Investigated

New Orleans, Aug. 2, 1939

Intensive investigation of the Louisiana oil situation is being made here by examiners of the Department of Interior in an effort to determine whether the Connally "hot oil" act has been violated. The investigation follows charges that favors were granted for overproduction of oil in the Cotton Valley field, Webster Parish, to the Ohio Oil Company and the Longwood Oil Company.

In Webster Parish an indictment returned against the Longwood company by the grand jury there was quashed after the company reached an agreement of the matter outside of court. The indictment was the result of complaints of more than half-dozen landowners in the field that overproduction was being allowed.

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NAPHTHENIC—48 dms, 23,656 lbs, Amrum, Inc, Exhibitor, Constanza
AGAR AGAR—75 bls, Mitsui & Co, Atutasan, Kobe
ALBUMEN EGG, HEN—56 cs, Paul A Dunkel & Co, Tai Shan, Shanghai
20 cs, Melchers, Inc, Tai Shan, Shanghai
40 cs, Henningsen Bros, Tai Shan, Shanghai
ALCOHOL—2 cs, Saks & Co, Schodack, Havre
1 cs, J E Bernard & Co, Normandie, Havre
ALOE—200 cs, Selma Mercantile Corp, Luna, Aruba
900 cs, Julian W Lyon, Santa Paula, Curacao
ALUM POTASH—15 cs, Rohner, Gehrig & Co, Pennland, Antwerp
ALUMINUM FOIL—163 cs, Brown Bros Harriman Co, Black Falcon, Antwerp
TITANIUM—1 dm, Philipp Bros, Georgic, London
AMMONIA SULPHATE—500 bgs, Bradley & Baker, Statendam, Rotterdam
AMMONIAC SAL—100 bgs, Philip Bauer Co, Southfolk, Gdynia
40 bbls, Chemical Marketing Co, Batory, Gdynia
ANNATTO SEED—64 bgs, President Polk, Cocoanada
ANTIMONY ORE—418 bgs, Philipp Bros, Santa Clara, Antofagasta
ASBESTOS—534 bgs, Davies, Turner & Co, Laconia, Liverpool
50 bgs, Georgic, London
ASPHALT—400 bgs, A V Berner & Co, Seatrain Havana, Havana
BABASSU KERNELS—3,333 bgs, General Food Corp, Banaderos, Maranhao
BARBASCO ROOT—171 bls, L D Seville, Crispin, Manaos
43 bls, Tropical Milling Corp, Medea, Trujillo
500 bls, Astoria Import & Mfg Co, Crispin, Manaos
300 bls, Wessel, Duval & Co, Crispin, Manaos
370 bls, Crispin, Manaos
BARIUM, HYDRATE—83 cks, H Sundheimer, Laconia, Liverpool
BARK, MEDICINAL—123 bls, Wessel, Duval & Co, Sheridan, Manaos
BARYTES—20 bgs, Wishnick-Tumpeer, Laura C, Algiers
BISMUTH, REFD—150 bxs, Cerro De Pasco Copper Corp, Santa Clara, Callao
BITUMEN—50 dms, Shell Oil Co, New York, Hamburg
BONE MEAL—1,100 bgs, Laura C, Fiume
BRISTLES—50 cs, H Rosenhirsch Co, Atutasan, Tientsin
200 cs, F H Cone & Co, Atutasan, Kobe
8 cs, Furmans Bristle Corp, Southfolk, Gdynia
5 cs, Dal, Inc, Southfolk, Gdynia
2 cs, Helvig, Rotterdam
28 cs, Public National Bank, Kinai, Harbin
383 cs, Kinai, Tientsin
11 cs, Kinai, Kobe
28 cs, Bank of Manhattan, Kinai, Harbin
25 cs, National City Bank, Kinai, Tientsin
105 cs, Kinai, Tientsin
29 cs, H Rosenhirsch Co, Tai Shan, Hongkong
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BRONZE POWDER—3 cs, B F Drakenfeld & Co, Europa, Bremen
2 cs, Heemsoth-Kerner Corp, New York, Hamburg
CALCIUM, SILICIDE—14 bbls, T B Smith Co, Schodack, Havre
CAMPHOR, REFINED—35 cs, Mitsui & Co, Atutasan, Kobe
CANARY SEED—326 bgs, Eastern Prince, Buenos Aires
CARAWAY SEED—100 bgs, M Witsenburg, Zaandam, Rotterdam
100 bgs, Levy & Levis, Zaandam, Rotterdam
100 bgs, Durkee Famous Food, Zaandam, Rotterdam
250 bgs, C M Van Sillevoldt, Statendam, Rotterdam
200 bgs, Statendam, Rotterdam
CARBON, DECOLORIZING—4 bgs, Corn Product Refg Co, Conte di Savoia, Genoa
CARDAMON—10 cs, President Polk, Colombo
45 cs, Volkart Bros, President Polk, Tuticorin
CAROB FLOUR—100 bgs, Cypria, Marseilles
CASEIN—417 bgs, A Hurst & Co, Eastern Prince, Buenos Aires
834 bgs, American Cyanamid Chem Co, Eastern Prince, Buenos Aires
CASSIA—285 bls, Wah Young Co, Sorholt, Hongkong
BROKEN—200 bls, A G Dunn, Tai Shan, Hongkong
CASTOR BEANS—1,694 bgs, Baker Castor Oil Co, Banaderos, Bahia
4,730 bgs, Banaderos, Fortaleza
3,400 bgs, Crispin, Pernambuco
CELERY SEED—20 bgs, Dyson Shipping Co, Cypria, Marseilles
30 bgs, Gallagher & Ascher, Cypria, Marseilles
CHALK, BLOCK—1,560,000 kilos, Taintor Trading Co, Schodack, Dunkirk
PRECIPITATED—345 bgs, 10 bbls, H J Baker & Bros, Montreal City, Bristol
CHAMOIS—2 cs, R C Wehling Co, Washington, Havre
CHEMICALS—1,016 bgs, 667 cks, Advance Solvents & Chemical Co, New York, Hamburg
4 cs, Europa, Bremen
10 bbls, New York, Hamburg
76 bbls, P C Kuyper & Co, New York, Hamburg
2 cs, J E Bernard & Co, New York, Hamburg
CHEMICALS—20 cks, Schofield-Donald Co, Cameronia, Glasgow
3 cs, Yardley & Co, Georgic, London
13 dms, Merck & Co, Schodack, Havre
100 bbls, Schodack, Havre
50 dms, Cypria, Marseilles
20 cs, Tai Shan, Shanghai
140 bgs, 30 bbls, F H Taussig, Zaandam, Rotterdam
38 cs, Zaandam, Rotterdam
4 cks, Jungmann & Co, Zaandam, Rotterdam
8 bbls, C Bruning Co, Zaandam, Rotterdam
6 cks, Chemical Marketing Co, Zaandam, Rotterdam
10 dms, Th Goldschmidt Corp, Zaandam, Rotterdam
8 cks, General Dyestuff Corp, Zaandam, Rotterdam
2 dms, Sandoz Chemical Works, Zaandam, Rotterdam
17 cs, Sandoz Chemical Works, Normandie, Havre
3 cans, Ciba Co, Normandie, Havre
30 cks, American Cyanamid & Chemical Co, Black Falcon, Antwerp
2 dms, 1 cs, Aromatic Products Co, Black Falcon, Antwerp
350 bgs, 50 dms, Black Falcon, Rotterdam
17 dms, Hummel Chemical Co, Black Falcon, Rotterdam
1 cs, Advance Solvents & Chemical Co, Black Falcon, Rotterdam
50 cks, American Cyanamid & Chemical Co, Statendam, Rotterdam
40 cks, 6 dms, Statendam, Rotterdam
30 dms, Chemical Marketing Co, Statendam, Rotterdam
1 cs, American Bluefriesveen, Statendam, Rotterdam
10 dms, Firestone Tire & Rubber Co, Fort Townshend, Halifax
25 cks, Hummel Chemical Co, Emile Francqui, Antwerp
60 cs, Europa, Bremen
CHINA CLAY—16 bgs, Yardley & Co, Georgic, London
25 cs, E Fougera & Co, American Farmer, London
CHROME ORE—3 cs, Separation Engineering Corp, Sorholt, Manila
CINCHONA PRODUCTS—10 cs, 100 dms, R W Greeff & Co, Zaandam, Rotterdam
CINCHONINE—10 cs, New York Quinine & Chem Works, Zaandam, Rotterdam
CLAY, BLEACHING, ACTIVATED—200 bgs, Exhibitor, Constanza
CLOVES—520 bgs, President Polk, Port Said
COALTAR INTERMEDIATES—3 cks, General Dyestuff Corp, Europa, Bremen
14 cks, 2 dms, 2 bxs, General Aniline Works, New York, Hamburg
2 cns, 5 cs, General Dyestuff Corp, New York, Hamburg
80 cks, 20 tins, General Dyestuff Corp, Zaandam, Rotterdam
2 cks, 8 dms, 4 jugs, General Dyestuff Corp, Statendam, Rotterdam
PRODUCT—192 dms, General Dyestuff Corp, Statendam, Rotterdam
COBALT METAL—14 kgs, 7 cs, Central Trading Corp, Carolina Thorden, Kotka
OXIDE—40 kgs, Central Trading Corp, Carolina Thorden, Kotka
COCHMEAL—5 bls, H H Pike & Co, Zaandam, Rotterdam
COCOA BEANS—345 bgs, Superintendence Co, New Columbia, Lagos
400 bgs, Superintendence Co, New Columbia, Accra
400 bgs, New Columbia, Accra
250 bgs, Colonial Trust Co, New Columbia, Takoradi
250 bgs, Ancon, Cristobal
2,132 bgs, Curacao Trading Co, Borinquen, Trujillo
100 bgs, Luna, Porto Cabello
467 bgs, Sheridan, Para
100 bgs, Cypria, Lisbon
399 bgs, Santa Paula, Porto Cabello
60 bgs, Mecke & Co, Santa Paula, Curacao
250 bgs, W R Grace & Co, Santa Clara, Guayaquil
250 bgs, Wessel, Kulenkampf & Co, Eastern Prince, Port Spain
140 bgs, General Cocoa Co, Crispin, Manaos
26 bgs, General Cocoa Co, Crispin, Itacoatiara
223 bgs, Grace National Bank, Crispin, Itacoatiara
300 bgs, Crispin, Para
COCONUTS — 430 bgs, General Food Corp, Rosario, Mayaguez
680 bgs, General Food Corp, Rosario, San Juan
211 bgs, I L Toledano Corp, Rosario, San Juan
1,449 bgs, General Food Corp, Chiriqui, Kingston
100 bgs, Chiriqui, Kingston
139 ctns, Public National Bank & Trust Co, Chiriqui, Kingston
300 bgs, I L Toledano Corp, Ancon, Cristobal
60 bgs, E A Marketing Co, Borinquen, San Juan
20 bgs, Caribbean Trading Co, Borinquen, San Juan
5 bgs, Josephine Ramirez, Borinquen, San Juan
COCONUT, DESIC—1,500 cs, Balfour, Guthrie & Co, Atutasan, Manila
1,000 cs, Dodwell & Co, Tai Shan, Manila
2,097 cs, Philippine Desic Coconut Corp, Tai Shan, Zamboango
3,625 pkgs, General Food Corp, Tai Shan, Manila
1,420 cs, Durkee Famous Food, Tai Shan, Manila
1,687 cs, Philippine Desic Coconut Corp, Tai Shan, Manila
643 cs, Balfour, Guthrie & Co, Sorholt, Manila
2,993 cs, General Food Corp, Sorholt, Manila
COLORS, CERAMIC—2 cs, B F Drakenfeld & Co, Laconia, Liverpool
COALTAR—3 kegs, General Dyestuff Corp, Black Falcon, Rotterdam
EARTH—20 bbls, Penson & Co, Zaandam, Rotterdam
PIGMENT—5 jugs, General Dyestuff Corp, Statendam, Rotterdam
COPAIBA BALSAM—60 cs, Geo Uhe & Co, Crispin, Manaos
90 cs, Wessel, Duval & Co, Crispin, Manaos
CORIANDER SEED—300 bgs, P H Petry & Co, Examiner, Casablanca
300 bgs, J Mayer & Co, Examiner, Casablanca
300 bgs, H H Old & Co, Examiner, Casablanca
300 bgs, Cypria, Casablanca
CORK—13 bgs, Henrich & Pearsall, Ingria, Lisbon
37 bgs, Mundet Cork Co, Ingria, Lisbon
30 bls, F Ferrer, Exmouth, San Feliu de Guirols
63 bls, Cork Import Corp, Exmouth, San Feliu de Guirols
9 bls, Bisbe Cork Co, Exmouth, San Feliu de Guirols
WASTE—299 bls, Cypria, Marseilles
145 bls, Cypria, Lisbon
12,879 bls, Mundet Cork Co, Cypria, Lisbon
WOOD—328 bls, Wicander & Co, Examiner, Bone
43 bls, H Suhl, Examiner, Djidjelli
435 bls, Chase National Bank, Cypria, Lisbon
153 bls, Mundet Cork Co, Cypria, Lisbon
775 bls, Cypria, Lisbon
CRYOLITE — 111 bbls, C Hardy, Schodack, Havre
CUMIN SEED—200 bgs, Cypria, Casablanca
CUTTLEFISH BONES—200 cs, Cypria, Marseilles
CYMENE—26 dms, Helvig, Antwerp
DEXTRIN, POTATO—100 bgs, Morningstar, Zaandam, Rotterdam
DIATOMACEOUS EARTH—100 bgs, Asbestos Corp, Banaderos, Pernambuco
DILLSEED—130 bgs, President Polk, Bombay
DRAGON'S BLOOD—27 cs, Bank of Manhattan, President Polk, Singapore
DRUGS—1 pkg, Globe Shipping Co, Europa, Bremen
1 bx, Lo Curto & Funk, American Farmer, London
DYES, ALIZARIN—5 dms, General Dyestuff Corp, Europa, Bremen
66 cks, 58 jugs, General Dyestuff Corp, Zaandam, Rotterdam
38 cks, 2 jugs, General Dyestuff Corp, Statendam, Rotterdam
ANILIN—15 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
48 cks, 1 pkg, General Dyestuff Corp, New York, Hamburg
8 dms, L & R Organic Prod Co, Helvig, Rotterdam
300 cks, 40 dms, 13 jugs, 1 cs, General Dyestuff Corp, Zaandam, Rotterdam
8 dms, Sandoz Chem Works, Zaandam, Rotterdam
24 cyls, Sandoz Chem Works, Normandie, Havre
33 cks, 1 cs, Geigy Co, Normandie, Havre
82 cans, Ciba Co, Normandie, Havre
18 kgs, 1 cs, Carbic Color & Chem Co, Normandie, Havre
18 cks, Fulton Dye & Import Co, Normandie, Havre
110 cks, 6 dms, 10 jugs, 1 cs, General Dyestuff Corp, Statendam, Rotterdam
EGG YOLK, HEN — 280 cs, Mitsui & Co, Atutasan, Tientsin
112 cs, Kinai, Tientsin
FENUGREEK SEED—250 bgs, S B Penick & Co, Examiner, Casablanca
FERROMANGANESE — 125 cks, C Hardy, Washington, Havre
FILTER, COMP—20 bls, H Reifenberg, New York, Hamburg
PAPER—6 cs, H Reeve, Angel & Co, Georgic, London
FISH LIVERS—122 tins, Mitsubishi Shoji Kaisha, Tai Shan, Yokohama
1,000 tins, J D Irwin & Co, Tai Shan, Yokohama
MEAL—4,550 bgs, C Hollinshed & Co, Santos, Montevideo
FLAXSEED—673 tons, 26,920 bus, Tercero, Buenos Aires
5,412 bgs, 11,906 bus, Tercero, Buenos Aires
6,399 tons, 255,960 bus, Tercero, Rosario
4,470,300 kilos, 178,812 bus, Archer-Daniels-Midland Co, Santos, Concepcion
482 tons 19,280 bus, L Dreyfus Co, Eastern Prince, Buenos Aires
317 bgs, 697 bus, L Dreyfus Co, Eastern Prince, Buenos Aires
484,000 kilos, 19,360 bus, Eastern Prince, Buenos Aires
155 bgs, 341 bus, Eastern Prince, Buenos Aires
FLEASEED—113 bgs, S B Penick & Co, President Polk, Bombay
32 bgs, Chartered Bank of India, President Polk, Bombay
480 bgs, T M Duche & Sons, President Polk, Bombay
FLOTATION CONC — 7,300 bgs, Examiner, Huelva
FULLER'S EARTH—450 bgs, L A Salomon & Bros, Montreal City, Bristol
GELATIN—26 cs, Dingelstedt & Co, Europa, Bremen
1 cs, G Hirsch Sons, Normandie, Havre
100 bgs, Normandie, Havre
1 cs, H W Robinson, Normandie, Havre
POWDERED—100 bgs, 8 bbls, T M Duche & Sons, Zaandam, Rotterdam
41 cks, T M Duche & Sons, Penniand, Antwerp
61 bbls, International Selling Corp, Pennland, Antwerp
SHEET—20 cs, T M Duche & Sons, Zaandam, Rotterdam
GINGER ROOT—192 bgs, New Columbia, Freetown
GINGERINE — 2 cs, Orbis Product Corp, Georgic, London
GLASS, SHEET—145 cs, Emile Francqui, Antwerp
WINDOW—550 cs, J H Faunce, Helvig, Antwerp
36 cs, Helvig, Antwerp
58 cs, Semon, Bache & Co, Black Falcon, Antwerp
19 cs, S B Cole, Emile Francqui, Antwerp
GLUE—400 bgs, L H Lang G Van Gelder, Exhibitor, Constanza
40 bgs, G H Hemmel, Laconia, Liverpool
40 bgs, T M Duche & Sons, Penniand, Antwerp
100 bgs, Batory, Gdynia
MARINE—4 crts, L W Ferdinand & Co, American Farmer, London
GLUESTOCK—286 bls, Darnstadt, Scott & Courtney, Zaandam, Rotterdam
GLYCERIN—21 dms, Nordkap, Buenos Aires
GRAPHITE—125 dms, E Faber Pencil Co, Cypria, Marseilles
GUM—1 cs, Wilvan Transoceanic Trading Co, President Polk, Bombay
405 bgs, President Polk, Bahrein
BURNT—53 bgs, Red Hand Composition Co, American Farmer, London
CHICLE—128 bgs, F Huber & Co, Miraflores, Gutierrez
COPAL—100 bgs, American Cyanamid & Chemical Co, Black Falcon, Antwerp
100 bgs, American Cyanamid & Chemical Co, Emile Francqui, Antwerp
DAMMAR—210 bgs, O G Innes Corp, President Polk, Singapore
25 cs, 288 bgs, S Winterbourne & Co, President Polk, Singapore
GUM—GHATTI—25 bgs, S B Penick & Co, President Polk, Bombay
INSOLUBLE—150 bgs, E Meer & Co, President Polk, Bushire
KARAYA—400 bgs, National Carloading Co, President Polk, Bombay
128 bgs, Frank Vliet Co, President Polk, Bombay
200 bgs, Lunham & Reeve, President Polk, Bombay
66 bgs, Jacques, Wolf & Co, President Polk, Bombay
66 bgs, Innis, Speiden & Co, President Polk, Bombay
800 bgs, President Polk, Bombay
LOCUST BEAN—30 bgs, Stein, Hall & Co, Laconia, Liverpool
75 bgs, T M Duche & Sons, President Polk, Genoa
40 bgs, President Polk, Genoa
20 bgs, Stein, Hall & Co, President Polk, Marseilles
PERILLA—30 pkgs, Chicle Development Co, Santa Paula, Barranquilla
TRAGACANTH—8 cs, E Meer & Co, President Polk, Bandar Abbas
80 bgs, President Polk, Bahrein
825 bgs, E Meer & Co, President Polk, Mormugao
GYPSUM—5,600 tons, U S Gypsum Co, Gypsum Empress, Windsor
3,500 tons, U S Gypsum Co, Ravnanger, Windsor
4,850 tons, U S Gypsum Co, Gypsum Queen, Windsor
CALCINED—200 bgs, Whittaker, Clark & Daniels, Laconia, Liverpool
HENNA LEAVES—64 bls, J L Hopkins & Co, President Polk, Port Said
HERBS, MEDICINAL—83 bgs, New York, Hamburg
12 bls, Scanyork, Gdynia
HYDROGEN CHLORIDE ANHYD—10 cyls, Standard Oil Development Co, Pennland, Antwerp
IRISH MOSS—20 bgs, Normandie, Havre
IRON ORE—800 bgs, 12 dms, Reichard Coulston, Laconia, Liverpool
OXIDE—144 bbls, Smith Chem & Color Co, Exhibitor, Malaga
456 bbls, Reichard Coulston, Exhibitor, Malaga
80 bbls, J Lee Smith & Co, Exhibitor, Malaga
31 cks, New York, Hamburg
20 cs, 3 kgs, J A McNulty, Laconia, Liverpool
6 dms, Reichard Coulston, Laconia, Liverpool
23 cks, Stanley Doggett, Zaandam, Rotterdam
6 cks, Hummel Chem Co, Normandie, Havre
51 cks, Reichard Coulston, Montreal City, Bristol
KOLA NUTS—50 bgs, D Steengrafe, Chiriqui, Kingston
LICORICE PASTE—10 cs, Cypria, Marseilles
LIME JUICE—5 cks, Eastern Prince, Port Spain
LINALYL ACETATE—5 dms, Mitsui & Co, Atutasan, Kobe
LYCOPODIUM—16 cs, Batory, Gdynia
6 cs, McKesson & Robbins, Helvig, London
7 cs, Scanyork, Gdynia
MAGNESIA, CARBONATE — 200 bgs, 5 cs, Schofield-Donald Co, Laconia, Liverpool
TRISILICATE—25 cs, Schofield-Donald Co, Laconia, Liverpool
MANGANESE DIOXIDE—16 dms, American Farmer, London
MATCHES, SAFETY—1 cs, Mitsui & Co, Atutasan, Kobe
210 conts, Guaranty Trust Co, Washington, Hamburg
MATE—10 cyls, Meyer Lyra & Co, Eastern Prince, Buenos Aires
MEDICINAL PREPS—12 cs, Italian Drug Importing Co, Conte di Savoia, Genoa
15 cs, E Fougera & Co, Normandie, Havre
4 cks, 7 cs, Hoffmann-La Roche, Normandie, Havre
2 cs, Gane & Ingram, Normandie, Havre
75 cs, Statendam, Rotterdam
18 cs, Sherka Chem Co, Penniand, Antwerp
MENTHOL—50 cs, McKesson & Robbins, Kinai, Kobe
MICA—44 cs, Eastern Prince, Buenos Aires
BLOCK—1 cs, Marwarri, Calcutta
DISCS—11 cs, Marwarri, Calcutta
FILM—13 cs, Marwarri, Calcutta
MOLASSES—8,033 gls, Boston Molasses Co, Seatrain Havana, Havana
1,482,880 lbs, W R Grace & Co, Santa Clara, Salaverry
MURU MURU KERNELS—3,194 bgs, General Food Corp, Sheridan, Para
MUSTARD SEED—190 bgs, B H Old & Co, Tai Shan, Yokohama
50 bgs, Knickerbocker Mills Co, Black Falcon, Rotterdam
NAPHTHALENE—1,400 bgs, Barrett Co, Black Falcon, Rotterdam
2,570 bgs, Calco Chem Co, Black Falcon, Rotterdam
OIL, ALMOND—5 cs, Dodge & Olcott Co, Georgic, London
2 cs, Ungerer & Co, Georgic, London
BABASSU—200,000 kilos, Bank of London-South America, Crispin, Maranham
BERGAMOT—65 cs, Laura C, Messina
110 cs, Lo Curto & Funk, Belvedere, Messina
CASTOR—1 cs, Gillespie & Co, Eastern Prince, Santos
CHINAWOOD—8 dms, Bank of California National Ass'n, Tai Shan, Hongkong
75 tons, Wah Chang Trading Corp, Tai Shan, Hongkong
CINNAMON LEAF—28 dms, R C Treatt & Co, American Farmer, London
2 dms, President Polk, Colombo
CLOVE—5 cs, French Line, President Polk, Port Said
COCONUT—10 cs, I L Toledano Corp, Chiriqui, Kingston
947 tons, Philippine Refining Corp, Atutasan, Manila
500 tons, Guaranty Trust Co, Sorholt, Manila
COD—52 cks, Fred W Damon, Fort Townshend, St John's
CODLIVER — 300 dms, National Oil Prod Corp, Southfolk, Bergen
212 dms, H H Rosenthal Co, Southfolk, Bergen
2 tins, I H Boody & Co, Fort Townshend, St John's
330 dms, C T Smith, Washington, Hamburg
CORN—355 dms, 6 tcs, Corn Product Refining Co, Mormacmar, Santos
25 dms, I R Boody & Co, Statendam, Rotterdam
CRUDE—82 dms, Gulf Oil Corp, Medea, Trujillo
10 dms, E O Parkins, Medea, Trujillo
CUMARU—44 dms, Banaderos, Fortaleza

OIL, DILL—2 cs, J W Lyon, Washington, Hamburg
ESSENTIAL—2 dms, Chiriqui, Kingston
6 cs, Laura C, Messina
3 cs, Georgic, Southampton
8 cs, Georgic, London
4 dms, Kinai, Yokohama
427 cs, Cypria, Marseilles
29 pkgs, Zaandam, Rotterdam
38 cs, 2 cks, Normandie, Havre
16 dms, 11 cs, President Polk, Marseilles
2 cs, Washington, Basle
1 cs, Washington, Havre
5 dms, Laura C, Seville
EUCALYPTUS—5 dms, Magnus, Mabee & Reynard, Atutasan, Kobe
FISH LIVER—17 dms, Consumers Import Co, Tai Shan, Yokohama
FUEL—69,388 bbls, Asiatic Petroleum Corp, Mirza, San Nicholas, Aruba
135,000 bbls, Standard Oil Co of N J, C O Stillman, Aruba
95,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
64,578 bbls, Asiatic Petroleum Corp, Scottish Maiden, San Nicholas, Aruba
35,000 bbls, Standard Oil Co of N J, Wilhelm A Riedemann, Aruba
GERANIUM—23 dms, French Line, President Polk, Port Said
LEMON—90 cs, Lo Curto & Funk, Laura C, Messina
LIME—29 cs, American Farmer, London
LUBRICATING—11 bbls, Shell Oil Corp, Aquitania, Southampton
70 dms, Webbels Service Co, Black Falcon, Antwerp
50 dms, Emile Francqui, Antwerp
MINERAL—10 dms, 1 cs, New York, Hamburg
OITICICA—6 dms, Lenape Trading Co, Banaderos, Fortaleza
284 dms, Banaderos, Fortaleza
374,150 kilos, National City Bank, Crispin, Ceara
197 dms, Crispin, Para
OLIVE—70 dms, Frank Tea & Spice Co, Exhibitor, Seville
35 cs, Exhibitor, Seville
100 cs, Exhibitor, Malaga
35 dms, R U Delaphena, Exhibitor, Malaga
100 cs, Conte di Savoia, Genoa
81 cs, Laura C, Bari
270 cs, Laura C, Seville
205 dms, Cypria, Marseilles
135 cs, Aquitania, Southampton
105 cs, President Polk, Naples
25 dms, B Darman, President Polk, Genoa
25 dms, G Sclafani, President Polk, Genoa
25 dms, Cumberland Macaroni, President Polk, Genoa
25 dms, S A Laraja, President Polk, Genoa
25 dms, A Miule & Son, President Polk, Genoa
1,767 cs, President Polk, Genoa
25 dms, Tombarel Prod Co, President Polk, Marseilles
50 dms, J Victori & Co, President Polk, Marseilles
165 cs, President Polk, Marseilles
30 dms, J L Sclafani, Exmouth, Livorno
3,615 cs, Exmouth, Livorno
110 dms, Pastene & Co, Exmouth, Genoa
85 dms, Fontana Hollywood Co, Exmouth, Genoa
1,900 cs, Exmouth, Genoa
25 dms, National City Bank, Belvedere, Palermo
525 cs, Belvedere, Algiers
OLIVE SULPHUR—350,000 kilos, Bank of Greece, Exhibitor, Kalamata
182,717 kilos, Leghorn Trading Co, Exhibitor, Yera
150,000 kilos, Leghorn Trading Co, Exhibitor, Polychnito
PALM—38 pkgs, Balfour, Guthrie & Co, New Columbia, Duala
10 dms, Balfour, Guthrie & Co, Black Falcon, Rotterdam
PATCHOULI—23 cs, President Polk, Singapore
ROSEMARY—20 dms, Cypria, Marseilles
RESIDUE—75 dms, Heemsoth Kerner Corp, New York, Hamburg
RICE BRAN—30 dms, W R Grace & Co, Kinai, Kobe
ROSEWOOD—30 dms, G Uhe & Co, Crispin, Manaos
10 dms, Crispin, Manaos
SASSAFRAS—23 dms, Norda Essential Oil & Chem Co, Atutasan, Kobe
23 dms, P R Dreyer, Atutasan, Kobe
SESAME—25 dms, I R Boody & Co, Statendam, Rotterdam
SYNTHETIC—2 cks, 10 cs, Lo Curto & Funk, Helvig, Rotterdam
THYME—2 dms, Fritzsche Bros, Laura C, Seville
VETIVER—4 dms, French Line, President Polk, Port Said
ORRISROOT—62 bgs, Exmouth, Livorno
PAPAIN—30 cs, Kinai, Kobe
10 cs, American Farmer, London
PAPRIKA—45 bgs, New York, Hamburg
125 cs, Central Hanover Bank, New York, Hamburg
35 cs, Cypria, Alicante
25 bgs, J Raphael & Son, Washington, Hamburg
PEATMOSS—2 bls, New Amsterdam Import & Supply Co, Southfolk, Oslo
610 bls, Half Moon Mfg Trading Co, Zaandam, Rotterdam
300 bls, E Bremermann & Co, Zaandam, Rotterdam
PEPPER—10 bgs, Hahne & Burns, Helvig, London
PETROLEUM, CRUDE—71,769 bbls, Gulf Oil Corp, Mirlo, Las Piedras
69,000 bbls, Standard Oil Co of N J, Wilhelm A Riedemann, Aruba
4,973,850 gls, Standard Oil Co of N J, Peter Hurll, Guiria
PHOSPHORUS RED—20 cs, Mitsui & Co, Tai Shan, Kobe
PIMENTO—50 bgs, Barclay Bank, Chiriqui, Kingston
100 bgs, Gillespie & Co, Chiriqui, Kingston
POPPYSEED—150 bgs, Levy & Levis Co, Zaandam, Rotterdam
100 bgs, Durkee Famous Food, Zaandam, Rotterdam
POTASH, CHLORATE—100 dms, 25 bbls, International Selling Corp, Schodack, Havre
CYANIDE—68 cs, E I du Pont de Nemours Co, New York, Hamburg

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POTASH, SILICATE—17 dms, Akis Chem Corp, Black Falcon, Rotterdam
SULPHATE—400 bgs, N V Potash Export Mij, Washington, Hamburg
PUMICE—209 bgs, C B Chrystal & Co, Belvedere, Canneto
1,208 bgs, J H Rhodes & Co, Belvedere, Canneto
2,909 bgs, Whittaker, Clark & Daniels, Belvedere, Canneto
LUMP—80 bgs, J H Rhodes & Co, Belvedere, Canneto
QUEBRACHO EXTRACT—400 bgs, North American Leather Co, Eastern Prince, Buenos Aires
QUICKSILVER—70 flasks, Mexico, Vera Cruz (option Antwerp-London)
QUINCE SEED—26 bgs, E Meer & Co, President Polk, Bushire
6 cs, Alex D Hannyeh, President Polk, Bahrein
QUINIDINE SULPHATE—5 cs, New York Quinine & Chemical Works, Zaandam, Rotterdam
QUININE SULPHATE—80 cs, Merck & Co, Statendam, Rotterdam
RAPESEED—200 bgs, National City Bank, Exhibitor, Constanza
RESIN—25 cs, Astoria Import & Manufacturing Co, Crispin, Manaos
ROSE LEAVES—134 bgs, Examiner, Casablanca
67 bgs, Cypria, Casablanca
SAFFLOWERS—68 bgs, S B Penick & Co, President Polk, Port Said
SANDALWOOD—1 cs, F W Mead & Co, President Polk, Bombay
68 bgs, Brown Brothers, Harriman Co, President Polk, Bombay
58 bgs, Murphy & Beese, President Polk, Bombay
32 bgs, J L Hopkins & Co, President Polk, Bombay
SENNA LEAVES—54 bls, Peek & Velsor, President Polk, Tuticorin
SESAME SEED—224 bgs, Kinai, Tientsin
SHELLAC—20 bgs, A Hurst & Co, New York, Hamburg
45 cs, A Hurst & Co, Zaandam, Rotterdam
700 bgs, Guaranty Trust Co, Marwarri, Calcutta
845 bgs, Wm Zinsser & Co, Marwarri, Calcutta
500 bgs, Ralli Bros, Marwarri, Calcutta
200 bgs, 25 cs, Irving Trust Co, Marwarri, Calcutta
100 kegs, Gillespie, Rogers, Pyatt Co, Emile Francqui, Antwerp
BUTTONLAC—1 cs, Ralli Bros, Marwarri, Calcutta
SEEDLAC—700 bgs, Guaranty Trust Co, Mariwarri, Calcutta
200 bgs, Wm Zinsser & Co, Mariwarri, Calcutta
200 bgs, Ralli Bros, Mariwarri, Calcutta
100 bgs, Mariwarri, Calcutta
SIENNA—101 cks, 150 bgs, J Lee Smith & Co, Exmouth, Livorno
20 bgs, Reichard Coulston, Exmouth, Livorno
SILICA—240 bgs, L A Salomon & Bros, Laconia, Liverpool
SILVER SULPHIDES—94 bgs, Santa Clara, Antofagasta
SOAP—2 cs, International Forwarding Co, Aquitania, Southampton
5 cs, R H Macy & Co, Aquitania, Southampton
11 cs, H Bendel, Washington, Havre
SODA, SILICOFLUORIDE—40 bbls, Hummel Chem Co, Scanyork, Copenhagen
SOLVENTS—300 dms, C P Chemical Solvents, Rosario, Ponce
SPONGES—5 bls, Mexico, Havana
REFUSE—2 bls, J H Rhodes & Co, Lancastria, Nassau
SQUILL—24 bgs, Laura C, Bari
STARCH, POTATO—50 bgs, Knickerbocker Mills Co, Zaandam, Rotterdam
100 bgs, Arnold Hoffman & Co, Zaandam, Rotterdam
RICE—50 cs, Stein, Hall & Co, Emile Francqui, Antwerp
STORAX—28 dms, Givaudan-Delawanna, President Polk, Marseilles
50 cs, President Polk, Marseilles
SUMAC—140 bgs, Laura C, Palermo
210 bgs, Belvedere, Palermo
350 bgs, E E Androvette, Belvedere, Palermo
LEAF—80 bls, Laura C, Palermo
TALC—250 bgs, Whittaker, Clark & Daniels, Schodack, Havre
300 bgs, Hammill & Gillespie, Schodack, Havre
5,200 bgs, Charles Mathieu, Exmouth, Genoa
300 bgs, Charles Mathieu, Belvedere, Genoa
TANKAGE—2,914 bgs, Swift & Co, Helgoland, Rosario
2,032 bgs, Santos, Santos
3,056 bgs, C Hollinshed & Co, Santos, Montevideo
2,028 bgs, Mormacmar, Buenos Aires
TAR, VEGETABLE—4 dms, Cypria, Marseilles
TARTAR—412 bgs, Laura C, Naples
394 bgs, Standard Brands, Laura C, Algiers
73 bgs, Charles Pfizer & Co, Cypria, Marseilles
462 bgs, Standard Brands, Cypria, Marseilles
TENTALITE, ORE—12 cs, American Farmer, London
TEREBENE—1 bbl, Red Hand Composition Co, American Farmer, London
TONKA BEANS—72 cks, Royal Bank of Canada, Medea, Trujillo
509 cks, American Tobacco Co, Medea, Trujillo
1 bx, American Tobacco Co, Eastern Prince, Port Spain
TRIPOLI—37 cks, C B Chrystal & Co, Pennland, Antwerp
TUBA ROOT—7 bgs, President Polk, Singapore
TUCUM KERNELS—1,563 bgs, General Food Corp, Banaderos, Parnahiba
TURPENTINE—15 dms, Holland American Line, Black Falcon, Rotterdam
VALONIA EXTRACT—101 bgs, Cypria, Marseilles
VANADIUM—5,834 bgs, Vanadium Corp, Santa Clara, Callao
VANILLA BEANS—9 cs, Integrity Trust Co, Normandie, Havre
43 cs, Thurston & Braidich, Mexico, Vera Cruz
13 cs, Dammann & Smeltzer, President Polk, Marseilles
11 cs, Integrity Trust Co, President Polk, Marseilles
41 cs, Thurston & Braidich, Miraflores, Gutierrez
40 cs, F Huber & Co, Miraflores, Gutierrez
26 cs, Pan American Trust Co, Miraflores, Gutierrez
33 cs, Dodge & Olcott Co, Miraflores, Gutierrez
CUTS—5 cs, Thurston & Braidich, Mexico, Vera Cruz
WATER MINERAL—200 cs, Maxfield & McLeer, Georgic, London
45 cs, Austin, Nichols & Co, Georgic, London
46 cs, Georgic, London
62 cs, H S Dorf & Co, Georgic, London
1,900 cs, E & J Burke, Cypria, Marseilles
35 cs, H S Dorf & Co, Normandie, Havre
50 cs, Rohner-Gehrig Co, American Farmer, London
55 cs, J Weber, American Farmer, London
275 cs, R C Williams & Co, American Farmer, London
25 cs, Belvedere, Genoa
WAX—1 cs, Rohner, Gehrig & Co, Normandie, Havre
BEES—2 bgs, Pablo Calvet Co, Rosario, San Juan
45 pkgs, New Columbia, Freetown
18 bgs, Olavarria & Co, Oriente, Havana
27 bgs, Olavarria & Co, Mexico, Havana
181 bgs, Mexico, Havana
39 pkgs, President Polk, Alexandria
CARNAUBA—13 bgs, American Cyanamid & Chem Co, Banaderos, Fortaleza
68 bgs, A Hurst & Co, Banaderos, Fortaleza
68 bgs, T G Cooper & Co, Banaderos, Fortaleza
22 bgs, Strahl & Pitsch, Banaderos, Fortaleza
6 bgs, W R Grace & Co, Banaderos, Fortaleza
188 bgs, W M Allison & Co, Banaderos, Parnaiba
143 bgs, Chase National Bank, Banaderos, Parnaiba
188 bgs, Brown Bros Harriman Co, Banaderos, Parnaiba
244 bgs, Strahl & Pitsch, Banaderso, Parnaiba
259 bgs, Strohmeyer & Arpe Co, Banaderos, Parnaiba
169 bgs, Bank of London South America, Banaderos, Parnaiba
313 bgs, Strohmeyer & Arpe Co, Crispin, Para
202 bgs, W M Allison & Co, Crisp'n, Para
74 bgs, Strahl & Pitsch, Crispin, Para
88 bgs, Brown Bros Harriman Co, Crispin, Para
128 bgs, American Cyanamid & Chem Co, Crispin, Para
72 bgs, Crispin, Para
MINERAL—165 bgs, General Dyestuff Corp, Zaandam, Rotterdam
25 bgs, American Farmer, London
OZOKERITE—122 bgs, Batory, Gdynia
SPERMACETI—100 cs, Strohmeyer & Arpe Co, Cameronia, Glasgow
VEGETABLE—450 cs, Mitsui & Co, Atutasan, Kobe
100 cs, Strohmeyer & Arpe Co, Atutasan, Kobe
200 cs, Kinai, Mozi
WOLFRAM ORE—500 bgs, Wah Chang Trading Corp, President Polk, Hongkong
WOODFLOUR—460 bgs, State Chem Co, Statendam, Rotterdam
WORMWOOD—15 bgs, P H Petry & Co, Laura C, Algiers
YEAST—50 bbls, Dalc, Inc, Batory Gdynia
ZINC, OXIDE—35 bbls, Philipp Bros, Pennland, Antwerp
35 bbls, Orbis Product Corp, President Polk, Marseilles

New York Transit Imports

ACETYLMETHYL CARBINOL—2 cs, Zaandam, Rotterdam, Buffalo
BLANC FIXE—33 cks, Zaandam, Rotterdam, Rochester
CAMPHOR, REFINED—30 cs, Mitsui & Co, Atutasan, Kobe, Toronto
ERGOT—20 cs, Eli Lilly & Co, Cypria, Lisbon, Indianapolis
GELATIN—3 cs, American Express Co, Europa, Bremen, Rochester
LECITHIN — 30 dms, Zaandam, Rotterdam, Chicago
MENTHOL—5 cs, Mitsui & Co, Atutasan, Kobe, Montreal
MUSTARD SEED — 500 bgs, W C Otten, Georgic, London, Rochester
OIL, CODLIVER — 1 cs, American Farmer, London, Rochester
PEPPERMINT—5 cs, Mitsui & Co, Atutasan, Kobe, Montreal
PAPRIKA—15 cs, Cypria, Alicante, Chicago
SPONGES—132 bls, Lancastria, Nassau, England
4 bls, Jamaica, Havana, Montreal
22 bls, Munargo, Nassau, London
REFUSE—77 bls, Lancastria, Nassau, England
5 bls, Jamaica, Havana, Montreal
2 bls, Munargo, Nassau, London
TANKAGE—2,046 bgs, Kentucky Chem Industries, Helgoland, Rosario, Cincinnati
VANILLA BEANS—8 cs, M Cortizas & Co, Miraflores, Gutierrez, Philadelphia

Baltimore Imports

AMMONIA SULPHATE—200 bgs, Blommersdijk, Rotterdam
ANTIMONY OXIDE—200 bgs, Artigas, Liverpool
BONE PHOSPHATE—317 bgs, Blommersdijk, Rotterdam
BONEFLOUR—1,103 bgs, Blommersdijk, Rotterdam
CHEMICALS—48 bbls, Blommersdijk, Rotterdam
COPRA—1,500 tons, Procter & Gamble Co, Rhein, Cebu
1,500 tons, Procter & Gamble Co, Rhein, Zamboanga
ETHYLENE DIBROMIDE—212 dms, Pipestone County, St Nazaire
FLUORSPAR—200 bgs, Pipestone County, Bordeaux
INK, PRINTING—1 cs, Thomsen-Ellis, Lehigh, Leith
IRON ORE—5,983 tons, Leo J Buck, Marisa Thorden, Narvik
10,500 tons, Bethlehem Steel Co, Cubore, Daiquiri
11,500 tons, Bethlehem Steel Co, Firmore, Cruz Grande
21,700 tons, Bethlehem Steel Co, Chilore, Cruz Grande
OXIDE—20 bgs, Artigas, Liverpool
MANGANESE ORE—3,000 tons, City of Elwood, Calcutta
7,800 tons, Christos Markettos, Poti
MENTHOL—1 cs, Goyo, Kobe
OIL, CODLIVER—120 dms, Atlantic Supply Co, Lehigh, Hull
CORNMINT—3 cs, Goyo, Kobe
FUEL—84,000 bbls, Standard Oil Co, N J, Prometheus, Aruba
PEATMOSS—700 bls, Blommersdijk, Rotterdam
705 bls, Lehigh, Hamburg
PETROLEUM, CRUDE—118,339 bbls, Standard Oil Co, N J, Victor Ross, Las Piedras
PYRITES—7,700 tons, Aris, Stratoni
QUEBRACHO EXTRACT—500 bgs, Mormacstar, Buenos Aires
RED EARTH—25 csks, Blommersdijk, Rotterdam
SHELLAC—25 bgs, Maidan, Calcutta
SILICATE ORE—214 tons, Maidan, Calcutta
TALC—650 bgs, Pipestone County, Bordeaux
TANKAGE—907 bgs, Mormacstar, Santos
436 bgs, Mormacstar, Montevideo
551 bgs, Mormacstar, Buenos Aires

Boston Imports

ACID, STEARIC—125 bgs, 22,321 lbs, Black Gull, Antwerp
BARYTES—551 bgs, 55,115 lbs, Wishnick-Tumpeer, Belvedere, Genoa
BONES—273,009 lbs, Helgoland, Buenos Airs
232,906 lbs, Swift & Co, Helgoland, Montevideo
200,001 lbs, Eastman Gelatine Corp, Helgoland, Rosario
BRISTLES—25 cs, Kinai, Kobe
CHEMICALS—40 csks, 23,931 lbs, Royal Bank of Canada, Black Gull, Rotterdam
CHINA CLAY—1,409 tons, 14 cwt, English China Sales Corp, Stanburn, Fowey
289 tons, 16 cwt, Moore & Munger, Stanburn, Fowey
COCOA BEANS—300 bgs, 54,000 lbs, Nieschlag & Co, Laura Maersk, Cristobal
125 bgs, Royal Bank of Canada, Lady Nelson, Grenada
250 bgs, Kinai, Cristobal
COCONUT, DESIC—108 cs, Laura Maersk, Manila
CODLIVER MEAL—725 bgs, 73,501 lbs, Wessel, Duval & Co, Black Gull, Antwerp
COLLODION EMULSION—15 cs, 3,042 lbs, American Express Co, Aachen, Hamburg
COLORS, EARTH—34 bbls, 11,708 lbs, John A Conkey & Co, Black Gull, Antwerp
EMERY POWDER—30 bgs, 5 csks, Nicholson & Co, American Farmer, London
FISH LIVERS—1 cs, John Nagle, Saint John, Yarmouth, N S
4 bxs, Dench & Hardy, Yarmouth, Yarmouth, N S
1 bx, Dench & Hardy, Saint John, Yarmouth, N S
127 crtns, General Seafoods Corp, Nova Scotia, Halifax
14 cs, from Nova Scotia
SWORDFISH—3 cs, J A Rich, Saint John, Yarmouth, N S
1 cs, John Nagle Co, Yarmouth, Yarmouth
1 cs, Joseph A Rich Co, Evangeline, Yarmouth
GLASS, PLATE—1 cs, 136 lbs, American Express Co, Aachen, Hamburg
WINDOW—2,592 cs, 187,629 lbs, Black Gull, Rotterdam
GLUE—12 bbls, Nicholson & Co, Yarmouth, Yarmouth
MARINE, PITCH—9 dms, 5 crts, L W Ferdinand & Co, American Farmer, London
GLUESTOCK, FISH—1 bdl, J R Poole, Saint John, Yarmouth
11 bbls, R Ranagan, Saint John, Yarmouth
2 bbls, J R Poole, Evangeline, Yarmouth
HIDE—320 bgs, 25 tons, American Express Co, Nova Scotia, Liverpool
GUM, ARABIC—300 bgs, Irving Sobin Co, American Farmer, London
100 bgs, American Farmer, London
150 bgs, Chase National Bank, Aachen, Hamburg
INDUSTRIAL—50 bbls, 25 bgs, 13 tons, J P Marston Co, Nova Scotia, Liverpool
HERBS—37 bls, 11,023 lbs, Aachen, Hamburg
LIME JUICE — 28 hghds, Lady Nelson, Dominica
MEDICINAL PREPS—7 cs, Foo Sun Co, President Hayes, Hongkong
MICA, SCRAP—2,334 bgs, First National Bank, Marwarri, Calcutta
NAPHTHALENE—2,500 bgs, Aachen, Bremen
OIL, COCONUT—689 tons, Philippine Refining Corp, Steel Seafarer, Cebu
COD—50 bbls, R C Lawrence Leather Co, Nova Scotia, St John's, N F
55 dms, White & Hodges, Nova Scotia, St John's, N F
CODLIVER—112 bbls, 93,343 lbs, Aachen, Bremen
OLIVE, COMMERCIAL—100 dms, 49,877 lbs, Rhode Island Hospital National Bank, Belvedere, Algiers
PEANUT—20 cs, Foo Sun Co, President Hayes, Hongkong
OSSEIN—1,500 bgs, 167,991 lbs, J O Whitten Co, Black Gull, Antwerp
391 bgs, 56,721 lbs, Black Gull, Antwerp
1,016 bgs, 114,421 lbs, Baring Bros, Black Gull, Antwerp
PEATMOSS—600 bls, Atkins & Durbrow, Aachen, Bremen
PEPPER, WHITE—83 bgs, Penrith Castle, Batavia
PUMICE—734 bgs, James H Rhodes & Co, Belvedere, Canneto
220 bgs, Belvedere, Canneto
QUEBRACHO EXTRACT—2,750 bgs, 278,747 lbs, International Products Corp, Mormacmar, Buenos Aires
1,421 bgs, 149,187 lbs, Tannin Corp, Mormacmar, Buenos Aires
SAGO FLOUR—364 bgs, Guaranty Trust Co, Penrith Castle, Singapore
SAPONIN—4 cs, 604 lbs, W Cronkhite, Aachen, Hamburg
SHELLAC—25 bgs, Bank of the Manhattan Co, American Farmer, London
50 bgs, Grace National Bank, Marwarri, Calcutta
25 bgs, Bank of the Manhattan Co, Marwarri, Calcutta
SEEDLAC—600 bgs, Marwarri, Calcutta
SOAP, TOILET—1 cs, Jordan Marsh Co, American Farmer, London
SODA, SULPHIDE—107 dms, 58,501 lbs, Black Gull, Antwerp
TALC—250 bgs, Whittaker, Clark & Daniels, President Hayes, Marseilles
TAPIOCA FLOUR—3,860 bgs, Central Hanover Bank & Trust Co, Penrith Castle, Pasoeroean
560 bgs, Chase National Bank, Penrith Castle, Pasoeroean
276 bgs, First National Bank, Penrith Castle, Pasoeroean
500 bgs, Stein, Hall & Co, Steel Seafarer, Cherlbon
TOILET PREPS—2 cs, Lever Bros, Nova Scotia, Liverpool
WAX, MONTAN—1,500 bgs, 231,483 lbs, Strohmeyer & Arpe, Aachen, Hamburg
ZINC, CHLORIDE—40 dms, 22,928 lbs, Philipp Bros, Black Gull, Antwerp

Boston Transit Imports

SOAP—20 cs, American Express Co, American Farmer, London, for Hartford, Conn

Houston Imports

PETROLEUM, CRUDE—72,431 bbls, Myriam, Tuxpam
31,025 bbls, Aztec, Tuxpam

Los Angeles Imports

BONE PHOSPHATE—500 bgs, 53,760 lbs, Tacoma, Hague
670 bgs, 73,920 lbs, Oregon, Antwerp
CALCIUM ARSENATE—500 pkgs, 50,000 lbs, Kimikawa, Osaka
115 dms, 11,500 lbs, Kimikawa, Osaka
CASSIA—3,100 lbs, Sorholt, Hongkong
CHALK, CRUDE—221,760 lbs, Oregon, Antwerp
COCONUT, DESIC—1,565 cs, 214,930 lbs, Granville, Manila
1,593 cs, 207,090 lbs, Silverbelle, Philippine Islands
COPRA—134,400 lbs, Susana, Manila
1,657,600 lbs, Susana, Cebu
MEAL—3,500 bgs, 350,000 lbs, President Cleveland, Manila
2,000 bgs, 200,000 lbs, Granville, Cebu
6,000 bgs, 600,000 lbs, Silverbelle, Cebu
7,460 bgs, 746,000 lbs, Silverbelle, Manila
CRYOLITE—353 bgs, 44,130 lbs, Tacoma, Dresden
DRUGS, CRUDE—40 lbs, Este, Schweinfurt

FISH LIVERS—200 tins, 8,000 lbs, Nako, Yokohama
414 tins, 16,560 lbs, Tatuta, Kobe
93 tins, 3,720 lbs, President Cleveland, Japan
603 tins, 24,120 lbs, Kimikawa, Japan
120 tins, 4,080 lbs, Kimikawa, Kobe
383 tins, 15,320 lbs, Tatuta, Yokohama
FLINT STONES—88 cs, 33,600 lbs, Oregon, Antwerp
GELATIN, EDIBLE—3,320 lbs, Seattle, Brussels
GLASS, PLATE—250 lbs, Pacific Ranger, Birmingham
ROLLED—14 cs, 12,230 lbs, Mount Ida, Brussels
SHEET—1,630 lbs, Este, Brussels
WINDOW—471 pkgs, 26,870 lbs, Oregon, Brussels
1,180 lbs, Pacific Ranger, Birmingham
2,800 lbs, from Charleroi
9 pkgs, 2,350 lbs, Este, Charleroi
42 pkgs, 10,880 lbs, Oregon, Brussels
GUM, COPAL—62 bskts, 11,010 lbs, Silverbelle, Macassar
128 bskts, 22,000 lbs, Silverbelle, D E I
65 bskts, 11,710 lbs, Silverbelle, Macassar
TRAGACANTH—1,020 lbs, Este, Hamburg
GYPSUM, CRUDE—7,595,840 lbs, Griffco, San Marcos
MARMITE EXTRACT—2,240 lbs, from London
MEDICINAL PREPS—70 lbs, Nako, Yokohama
NICKEL SULPHATE—2,000 lbs, Este, Brussels
OIL, CHINAWOOD—100 dms, 41,000 lbs, Heiyo, Hongkong
LUBRICATING—250 dms, 96,260 lbs, Este, Copenhagen
75 dms, 38,800 lbs, Este, Hamburg
MUSTARD SEED—(Edible) 323,400 lbs, Tatuta, Kobe
OITICICA—100 dms, 40,000 lbs, from Fortaleza
OLIVE—100 cs, 10,590 lbs, President Van Buren, Leghorn
100 dms, 44,440 lbs, from Malaga
PALM—1,114,720 lbs, Bengalen, Medan
SESAME—190 lbs, President Cleveland, Hongkong
PAINT, ARTIST'S—740 lbs, Este, Munich
PAPRIKA—210 pkgs, 23,100 lbs, Tacoma, Budapest
110 pkgs, 12,100 lbs, Este, Budapest
PEANUT MEAL—2,000 bgs, 200,000 lbs, Kimikawa, Tsingtao
1,000 bgs, 100,000 lbs, Kimikawa, Kobe
PEATMOSS—1,360 bls, 152,320 lbs, Tacoma, Myresjo
1,950 bls, 257,980 lbs, Este, Bremen
750 bls, 76,160 lbs, Erria, Malmo
2,000 bls, 224,000 lbs, Erria, Aarhus
2,000 bls, 224,000 lbs, Seattle, Aarhus
1,100 bls, 159,980 lbs, Seattle, Bremen
PEPPER, BLACK—150 bgs, 22,050 lbs, Silverbelle, D E I
PIMENTO—40 bgs, 5,880 lbs, Erria, Kingston
QUEBRACHO EXTRACT—400 bgs, 43,110 lbs, Montevideo, Asuncion
RICE FLOUR—240 lbs, Tatuta, Kobe
SEAWEEDS—60 lbs, Nako, Yokohama
300 lbs, Kimikawa, Kobe
SESAME SEED—50 bgs, 10,000 lbs, Peter Maersk, Hongkong
SHELLAC—305 bgs, 36,900 lbs, Bengalen, Calcutta
SEEDLAC—10 bgs, 1,640 lbs, Bengalen, Calcutta
SILVERSAND—336,000 lbs, Oregon, Antwerp
SOAP, TOILET—2 lbs, from Paris
SODA, ALUMINUM—353 bgs, 44,130 lbs, Este, Dresden
CYANIDE—2,000 lbs, Oregon, Paris
STARCH, POTATO—80 lbs, Tatuta, Kobe
TAPIOCA, CRUDE—120 bgs, 22,370 lbs, Silverbelle, Sourabaya
FLOUR—67 bgs, 11,210 lbs, Silverbelle, Sourabaya
440 bgs, 94,800 lbs, Silverbelle, D E I
TOILET PREPS—20 lbs, Nako, Yokohama
120 lbs, Tatuta, Kobe
URANIUM NITRATE—720 lbs, Oregon, Brussels
WHITING—283 pkgs, 34,180 lbs, Erria, Copenhagen
ZINC OXIDE—5,510 lbs, Tacoma, Antwerp

Mobile Imports

BAUXITE ORE, CRUSHED AND DRIED—3,706 tons, Lago, Paramaribo

New Orleans Imports

ARSENIC—360 cks, Boschdijk, Antwerp
BAUXITE ORE—2,490 tons, Aluminum Ore Co, Nordvangen, Paramaribo
65 tons, Aluminum Ore Co, Nordvangen, Port of Spain
CHALK—2,000 sks, Boschdijk, Antwerp
COCONUTS—25 sks, Cadmus, Kingston
GLASS, WINDOW—972 cs, Boschdijk, Antwerp
OCHER—280 sks, Reichard-Coulston, Recca, Marseilles
200 sks, W L Richeson, Recca, Marseilles
OIL, CODLIVER—270 dms, Hybert, Antwerp
524 dms, Boschdijk, Rotterdam
100 dms, Missouri Pacific Lines, Boschdijk, Antwerp
25 dms, National City Bank of N Y, Recca, Marseilles
30 dms, S Reisfeld, Recca, Marseilles
CREOSOTE—5,000 tons, Chase National Bank, Havsten, Novorossisk
PEATMOSS—600 bls, Marine Midland Trust Co, Boschdijk, Rotterdam
300 bls, Boschdijk, Rotterdam
SODA SULPHATE—365,000 kilos, Hybert, Antwerp
TAPIOCA FLOUR—800 sks, A Minnis, Nordvangen, Ciudad Trujillo
WATER, MINERAL—80 cs, Recca, Marseilles

Norfolk Imports

BLOOD, DRIED—1,111 bgs, 110,237 lbs, Chas Hollinshed Co, East Indian, Buenos Aires
BONE FLOUR—1,108 bgs, Binnendijk, Rotterdam
MEAL—3,368 bgs, 336,000 lbs, East Indian, Buenos Aires
BONES—728 bgs, 70,655 lbs, Bank of Buchanan, Va, East Indian, Buenos Aires
CHINA CLAY—70 tons, Paper Makers Importing Co, Montreal City, Cardiff
CLAY, BALL—80 tons, Moore & Munger, Montreal City, Cardiff
HOOFMEAL—597 bgs, 66,127 lbs, East Indian, Buenos Aires
LEATHER WASTE—1,792 bgs, Montreal City, Cardiff
422 bgs, 38,108 lbs, Lehigh, London
MICA SCRAP—1,000 bgs, National City Bank of N Y, Maidan, Calcutta
1,094 bgs, Bank of New York, Maidan, Calcutta
PEATMOSS—100 bls, Halfmoon Mfg & Trading Co, N Y, Binnendijk, Rotterdam
600 bls, 58 tons, Peat Import Corp'n, N Y, Lehigh, Bremen
PETROLEUM, CRUDE—40,000 bbls, Texas Co, Gard, Las Piedras, Venezuela
QUEBRACHO EXTRACT—906 bgs, 99,244 lbs, American Tanners, Boston, East Indian, Buenos Aires
SALT—1,400 tons, Standard Salt Corp'n, Roseburn, Port Said, Egypt
TANKAGE—801 bgs, 112,094 lbs, Anewalt Schmidt Co, East Indian, Buenos Aires
802 bgs, 112,019 lbs, H J Baker & Bros, East Indian, Buenos Aires
1,000 bgs, 110,230 lbs, East Indian, Montevideo
GROUND REN'D— 500 bgs, 55,118 lbs, Jos C Jett & Co, East Indian, Buenos Aires
TAPIOCA FLOUR—6,397 bgs, National City Bank of N Y, Tanimbar, Sourabaya
250 bgs, Tanimbar, Sourabaya
3,632 bgs, Tanimbar, Cheribon
TEXTILE FINISHING PROD—3 sks, Binnendijk, Rotterdam

Philadelphia Imports

ACID, CRESYLIC—90 dms, Manchester Brigade, Manchester
429 dms, John R Faunce, Manchester Brigade, Manchester
BAUXITE—1,859 tons, Ingrid, Georgetown
BRISTLES—55 cs, Kagu, Tientsin
CHROME ORE—7,261 tons, E J Lavino & Co, Hylton, Karachi
600.04 tons, W R Grace & Co, City of Bath, Mormugao
CORK, VIRGIN—60 bls, Armstrong Cork Co, Ida Z O, Sines and Lisbon
WASTE—19,126 bls, Armstrong Cork Co, Ida Z O, Sines and Lisbon
WOOD—6,250 bls, Armstrong Cork Co, Ida Z O, Sines and Lisbon
75 bls, Armstrong Cork Co, Exhibitor, Secille
GRAPHITE—500 bgs, New York Trust Co, City of Bath, Colombo
364 bgs, City of Bath, Colombo
GUM COPAL—75 baskets, Chase National Bank, Kota Tjandi, Macassar
280 baskets, Guaranty Trust Co, Kota Tjandi, Macassar
IRON OXIDE—20 cks, J A McNulty, Manchester Brigade, Manchester
MOLASSES — 718,551 gls, North American Trading & Import Co, Frontenac, Pastelillo
INVERT—1,085,595 gls, North American Trading & Import Co, Frontenac, Nuevitas
MACE—96 cs, Kota Tjandi, Manchester
16 cs, Kota Tjandi, Kota Baroe
MAGNESITE, CALC—330 bgs, Exhibitor, Thessaloniki
MONAZITE—3,100 bgs, Travancore Minerals Co, City of Bath, Cochin
MYROBALANS—2,250 pkts, City of Eastbourne, Calcutta
3,696 bgs, Guaranty Trust Co, City of Bath, Bombay
2,560 bgs, National City Bank, City of Bath, Bombay
23,799 pkts, City of Eastbourne, Calcutta
NAPHTHALENE—410 bgs, John H Faunce, Manchester Brigade, Manchester
NUTMEGS—40 cs, Kota Tjandi, Macassar
OIL, MUSTARD SEED, REFD AND DEOD—50 dms, Kagu, Kobe
OLIVE—175 dms, C F Simonin's Sons, Exhibitor, Seville
OLIVE SULPHUR—222,000 kilos, Bank of Greece, Exhibitor, Kalamata
PALM—626 tons, Van Leeuwan Boomkamp & Co, Kota Tjandi, Belawan Deli
OXIDE, RED—540 bbls, F B Vandegrift & Co, Exhibitor, Malaga
PEPPER—160 bgs, Volkart Bros, City of Bath, Cochin
WHITE—172 bgs, Kota Tjandi, Baroe via Macassar
PETROLEUM, CRUDE—111,305 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
43,662 bbls, Texas Co, Gard, Las Piedras
SHELLAC—250 bgs, Bank of London & South America, City of Bath, Calcutta
500 bgs, Bank of Manhattan Co, City of Evansville, Calcutta
500 bgs, Philadelphia National Bank, City of Eastbourne, Calcutta
1,000 bgs, Bank of London & South America, City of Eastbourne, Calcutta
SILLIMANITE—100 bgs, Travancore Minerals Co, City of Bath, Cochin
TAPIOCA FLOUR—4,727 bgs, National City Bank, Kota Tjandi, Sourabaya
862 bgs, Kota Tjandi, Tjilitjap
1,120 bgs, Kota Tjandi, Pasoeroean
500 bgs, Philadelphia National Bank, Kota Tjandi, Cheribon
1,037 bgs, Chase National Bank, Kota Tjandi, Cheribon
250 bgs, H P Winter, Kota Tjandi, Tandjong Priok
TUBA ROOT—26 bls, Kota Tjandi, Singapore
TURMERIC, FINGER—128 bgs, Volkart Bros, City of Bath, Cochin
112 bgs, Volkart Bros, City of Bath, Alleppey

Portland, Ore., Imports

BLEACHING POWDER—150 dms, Van Waters & Rogers, Gracia, Liverpool
COPRA—400 tons, Durkee Famous Foods, Agra, Cebu
GLASS, WINDOW—20 cs, Gracia, Liverpool
GINGER ROOT—11 cs, Meier & Frank, Agra, Hongkong
IRON OXIDE — 5 dms, Reichard-Coulston, Gracia, Liverpool
OCHER—5 dms, Reichard-Coulston, Gracia, Liverpool
SILVERSAND—200 tons, Balfour, Guthrie & Co, San Diego, Antwerp
SODA CHLORATE—3,000 kegs, International Selling Corp, San Diego, Havre
CYANIDE—150 dms, American Cyanamid & Chemical Corp, Loch Goil, Rotterdam

San Diego Imports

COPRA—4,983 sks, Limerick, Suva
19,012 sks, Limerick, Rarotonga
300 tons, Susana, Nato
700 tons, Susana, Legaspi
500 tons, Susana, Tacloban
230 tons Susana, Calbayog
MEAL—2,240 sks, Taylor Milling Corp, Susana, Manila

San Francisco Imports

ALCOHOL—100 dms, Maunalei, Honolulu
30 dms, Manulani, Honolulu
ARGOLS—621 sks, Lowther Castle, Buenos Aires
BABASSU KERNELS—3,800 sks, Lowther Castle, Maranhao
1,993 sks, National City Bank of Cleveland, Hoyanger, Tutoya
BONE MEAL—500 sks, Hoyanger, Buenos Aires
BONES, GRAN—5,500 sks, Hoyanger, Buenos Aires
506,680 kilos, Hoyanger, Buenos Aires
BRISTLES—5 cs, H Cone & Co, President Taft, Shanghai
3 cs, Rubberset Co, President Taft, Shanghai
CALCIUM TARTRATE—736 sks, Lowther Castle, Buenos Aires
CANARY SEED—250 sks, Lowther Castle, Buenos Aires
600 sks, Hoyanger, Buenos Aires
CHARCOAL, POWD—40 sks, Salacia, Glasgow
CHROME ORE—550 tons, W R Grace & Co, Hoegh Silverstar, Mormugao
CINNAMON—100 bls, Hoegh Silverstar, Colombo
CLOVES—34 sks, Hoegh Silverstar, Amboina
COCOA BEANS—100 sks, Otis, McAllister & Co, Oakland, Cristobal
78 sks, H A Phillips Co, Charcas, Corinto
104 sks, H M Newhall & Co, Velox, Apia
179 sks, Burns, Philip Co, Velox, Apia
173 sks, American Trust Co, Lowther Castle, Para
10 sks, Bond Bros, Monterey, Sydney
900 sks, Henry W Peabody & Co, Hoyanger, Bahia
290 sks, Hoyanger, Manaos
226 sks, Hoyanger, Para
COCONUT, DESIC—80 cs, M S Cowen Co, President Taft, Manila
1,430 sks, 770 cs, President Taft, Manila
10 cs, Wood & Selick, President Taft, Manila
1,800 pkgs, General Foods Sales Corp, President Taft, Manila
COPRA—200 tons, Western Vegetable Oil Co, Hoegh Silverstar, Iloilo (for Oakland)
250 tons, Susana, Pinamalayan
MEAL—1,500 sks, Procter & Gamble Manufacturing Co, Madoera, Manila (for Oakland)
CORKS—61 pkgs, I F Schnier Co, President Adams, Marseilles
16 pkgs, Cellina, Genoa
FLAXSEED—210 sks, R E Mason, Lowther Castle, Buenos Aires
GINGER ROOT—81 pkgs, President Taft, Hongkong
25 cs, Maunalei, Hilo
GLASS, WINDOW—6 cs, Cellina, Venice
27 cs, Cellina, Leghorn (for Oakland)
GRAPHITE—500 bgs, Hoegh Silverstar, Colombo (for Oakland)
GUM, CHIPS—403 bskts, H M Newhall & Co, Madoera, Macassar
COPAL—260 sks, Oakland, Antwerp (for Oakland)
201 sks, Manufacturers Trust Co, President Taft, Manila
200 sks, Michael Fried, President Taft, Manila
555 bskts, Madoera, Macassar
305 bskts, Henry W Peabody & Co, Madoera, Macassar (for Oakland)
120 bskts, D Hecht & Co, Madoera, Macassar (for Oakland)
272 bskts, Henry W Peabody & Co, Madoera, Macassar
HONEY—51 cs, Manulani, Honolulu
INK—5 cs, Colombia Co, President Taft, Hongkong
IRON OXIDE—48 cks, Jos A McNulty, Pacific Exporter, Manchester
LEAVES, DRY—26 bls, President Adams, Marseilles
MACE—20 cs, H M Newhall & Co, Hoegh Transporter, Singapore
MEDICINAL PREPS—2 cs, Fung Chong, President Taft, Hongkong
2 cs, Woo Kee Co, President Taft, Hongkong
2 cs, Wing Hop Co, President Taft, Hongkong
30 pkgs, Tin Sau Tong, President Taft, Hongkong
11 pkgs, Tin Bow Tong, President Taft, Hongkong
2 cs, Ying Fat Lung, President Taft, Hongkong
1 cs, Kwong Yick, President Taft, Hongkong
1 cs, Mutual Supply Co, President Taft, Hongkong
NUTMEGS—54 cs, B C Ireland, Hoegh Silverstar, Macassar
25 cs, B C Ireland, Madoera, Macassar
OIL, CODLIVER—40 dms, Fred Olsen Line Agency, Abraham Lincoln, Oslo
25 dms, Melvin A Isaacs Co, Abraham Lincoln, Oslo
OITICICA—100 dms, Lowther Castle, Brazil
900 dms, R J Roesling & Co, Hoyanger, Fortaleza-Ceava
100 dms, Hoyanger, Tutoya
OLIVE—50 dms, Schroeder Bros, President Adams, Marseilles
PALM—218 tons, Banque Belge pour l'Etranger (Overseas), Ltd, Hoegh Silverstar, Belawan
505 tons, Banque Belge pour l'Etranger (Overseas), Hoegh Silverstar, Belawan (optional discharge Oakland)
PALM, REFD—20 pkgs, Canadian Bank of Commerce, Salacia, Liverpool
PEANUT—70 cs, Fung Chong, President Taft, Hongkong
50 cs, Columbia Co, President Taft, Hongkong
100 cs, Ti Hang Lung & Co, President Taft, Hongkong
OIL, PERILLA—294 tons, Mitsui & Co, Tuyama, Kobe
RAPESEED, REFD—100 dms, Mitsui & Co, Atutasan, Nagoya
ORANGE PEEL—1 bdl, Wing Hing Chong, President Taft, Hongkong
PAPRIKA—75 sks, S H Tyler & Son, Oakland, Hamburg
150 sks, A Schilling & Co, Oakland, Hamburg
20 sks, Schoenfeld & Sons, Oakland, Hamburg
25 sks, Freed, Teller & Freed, Oakland, Hamburg
PARAFFIN—400 sks, Shell Oil Co, Madoera, Balikpapan
2,160 sks, Shell Oil Co, Madoera, Balikpapan (for Alameda)
PEATMOSS—48 bls, Domestic Foreign Discount Corp, Oakland, Hamburg
300 bls, Bank of California, N A, Oakland, Bremen (for Oakland)
1,000 bls, Wilson & George Meyer & Co, Abraham Lincoln, Oslo (for Oakland)
PEPPER, BLACK—667 sks, Hoegh Transporter, Cochin
50 sks, Hoegh Transporter, Singapore
799 sks, Bank of California, Hoegh Silverstar, Bombay
150 sks, A J Fuller & Co, Hoegh Silverstar, Oosthaven
100 sks, Madoera, Oosthaven
PETROLEUM, REFD—50 dms, Schou-Gallis Co, Oakland, Hamburg
QUEBRACHO EXTRACT — 103 sks, Tannin Corp, Lowther Castle, Buenos Aires
1,000 sks, International Products Corp, Lowther Castle, Buenos Aires
RHUBARB—12 cs, S B Penick & Co, President Taft, Shanghai
SAGO FLOUR—50 sks, Madoera, Singapore
SESAME SEED—737 sks, Otis, McAllister & Co, Charcas, Corinto
SOAP—1 cs, Monterey, Sydney
SOFT—50 tubs, Schou-Gallis Co, Abraham Lincoln, Oslo
SODA CYANIDE—300 dms, San Francisco Chemical Co, Atutasan, Yokohama
STEARIN—1 can, Monterey, Sydney
TALLOW—18 bbls, Manulani, Kahului
210 dms, Willits & Co, Kingsley, Vancouver
130 dms, Bank of California, N A, Monterey, Melbourne
50 dms, Anglo-California National Bank, Monterey, Sydney
TANKAGE—672 sks, Limerick, Wellington
TAPIOCA FLOUR—300 sks, Hoegh Silverstar, Cheribon
160 sks, Madoera, Cheribon
PEARL—11 sks, H M Newhall & Co, Hoegh Silverstar, Batavia
SEED—53 sks, Hoegh Silverstar, Cheribon
SIFTINGS—86 sks, Hoegh Silverstar, Cheribon
TAR—100 dms, C J Hendry Co, Salacia, Glasgow
TARTAR, RAW—307 pkgs, Bank of California, President Adams, Marseilles
TOILET PREPS—1 cs, Mutual Supply Co, Atutasan, Kobe
VANILLA BEANS—30 cs, Limerick, Papeete
56 cs, Bank of California, N A, Limerick, Papeete
53 cs, Williams, Dimond Co, Limerick, Papeete
WOODFLOUR—2,250 sks, B L Soberski, Abraham Lincoln, Oslo (for Oakland)

Savannah Imports

CHEMICALS—291 dms, Saccarappa, Antwerp
GYPSUM ROCK—2,775 tons, Spind, Dingwall
POTASH MURIATE—Quantity, Saccarappa, Antwerp
SULPHATE—10,000 bgs, Saccarappa, Antwerp
STARCH, POTATO—500 bgs, Saccarappa, Antwerp

Seattle Imports

BLEACHING POWDER—110 dms, Van Waters & Rogers, Gracia, Liverpool
CLOVES—60 sks, Roseville, Hongkong
PITCH—490 dms, Gracia, Liverpool
SILVERSAND—400 tons, Balfour Guthrie & Co, San Diego, Antwerp
SODA CHLORATE—1,000 kgs, International Selling Corpn, San Diego, Havre

Tacoma Imports

TAPIOCA ROOTS, GROUND—454 sks, Balfour, Guthrie & Co, Roseville, Samarang

Exports from U.S. Ports

New York Exports
Clearance Dates

A C D, July 26; A M Barens, July 19; Alex Van Opstal, June 28; American Banker, July 14; American Importer, July 14; American Trader, July 21; Antigua, July 1; Atlantida, July 14; Azumasan, July 15; Barbarigo, July 20; Beemsterdijk, June 14; Black Eagle, July 22; Black Heron, July 8; Black Osprey, July 15; Borinquen, July 20; Calliope, July 22; Chiriqui, July 12; Cingalese Prince, July 11; City of Corinth, July 17; Collamer, July 22; Drottningholm, July 13; Exiria, July 13; Extavia, July 20; Far, July 14; Gloucester City, July 14; Hanseat, July 15; Kai, July 21; Kermic, July 18; Jamaica, July 15; L A Christensen, July 22; Leif, July 7; Metapan, July 20; Mormacport, July 21; Mormactide, July 20; Nea Hellas, July 19; Oriente, July 14; Panama, July 20; Parnahyba, July 8; Platano, July 7; President Roosevelt, July 15; Queen Mary, July 19; Quirigua, July 8; Ragnhildsholm, July 14; San Jacinto, July 22; San Juan, July 15; San Pedro, July 21; Santa Paula, July 13; Scanpenn, July 14; Sessa, July 14; Statendam, July 13; Talamanca, July 19; Transylvania, July 18; Turksib, July 20; Vulcania, July 14

ACETIC ANHYDRIDE — 2,920 lbs, Black Eagle, Rotterdam
ACID, ACETIC, GLACIAL—1,601 lbs, Antigua, Porto Cortes
BUTYRIC—1,596 lbs, Black Heron, Rotterdam
CITRIC—231 lbs, Quirigua, Havana
PERCHLORIC—240 lbs, Gloucester City, Bristol
STEARIC—1,332 lbs, Antigua, Porto Barrios
TARTARIC—543 lbs, Quirigua, Havana
ALCOHOL, BUTYL—1,100 gls, Black Osprey, Rotterdam; 1,650 gls, Mormacport, Helsingfors
ALLYL CHLORIDE—4,860 lbs, Alex Van Opstal, Antwerp
ALUMINA SULPHATE—121,200 lbs, San Juan, Mayaguez; 300,000 lbs, Santa Paula, Barranquilla; 12,848 lbs, Mormactide, Buenos Aires
AMMONIA ANHYD—9,825 lbs, Uruguay, Montevideo
ISOAMYL—12,516 lbs, Azumasan, Kobe
ASPHALT—8,673 lbs, Statendam, Rotterdam; 9,690 lbs, San Jacinto, Ponce; 242,885 lbs, Kai, Porto Caripito
LIQUID—36,180 lbs, Exiria, Galatz; 11,700 lbs, Transylvania, Glasgow; 41,677 lbs, Statendam, Rotterdam; 25,544 lbs, Vulcania, Algiers; 35,809 lbs, Black Eagle, Rotterdam; 41,644 lbs, American Trader, London
SOLID—34,871 lbs, Collamer, Dunkirk; 88,642 lbs, Turkistan, Bureh
BENZOL—3,080 gls, Mormactide, Buenos Aires
BLUE, ULTRAMARINE—(Sessa) 1,940 lbs, Buenaventura; 721 lbs, Mollendo; 3,360 lbs, Cingalese Prince, Manila
BROMINE, LIQ — 18,149 lbs, Mormacport, Gdynia
BUTYL ACETATE—8,820 lbs, Black Osprey, Rotterdam; 12,348 lbs, Scanpenn, Gothenburg; 2,646 lbs, Black Eagle, Antwerp; 12,349 lbs, Black Eagle, Rotterdam
CARBINOL—7,740 lbs, Black Heron, Rotterdam
CARBON, BISULPHIDE—8,400 lbs, Platano, Corinto
CASEIN—595 lbs, American Banker, London
CATALYST—10,758 lbs, Turksib, Leningrad
CHALK, PRECIP—40,515 lbs, L A Christensen, Rio Janeiro
CHEMICALS—5,562 lbs, President Roosevelt, Havre; 49,143 lbs, Alex Van Opstal, Antwerp; 5,694 lbs, American Banker, London; 119,393 lbs, American Importer, Liverpool
CLAY—60,000 lbs, San Jacinto, Ponce; 20,400 lbs, American Banker, London
COALTAR, INTERMEDIATES — 1,569 lbs, Black Eagle, Antwerp
CORN FLOUR—1,127 lbs, Platano, Amapala; 14,150 lbs, Chiriqui, Barranquilla; 6,768 lbs, Cingalese Prince, Shanghai; 10,650 lbs, San Juan, San Juan; 1,475 lbs, Jamaica, Limon; 275 lbs, Metapan, Porto Barrios
SUGAR—35,250 lbs, Gloucester City, Bristol; 4,568 lbs, Ragnhildsholm, Gothenburg
SYRUP—19,320 lbs, Drottningholm, Stockholm; 546 lbs, Platano, Balboa; 2,342 lbs, Antigua, Porto Barrios; 25,484 lbs, Scanpenn, Stockholm; 2,550 lbs, Cingalese Prince, Manila; 383 lbs, San Juan, San Juan; 4,694 lbs, Metapan, Porto Barrios;

CORN SYRUP (Continued)
2,339 lbs, Talamanca, Kingston; (Ragnhildsholm) 19,334 lbs, Stockholm; 3,833 lbs, Ulealborg
CREAM TARTAR—248 lbs, Metapan, Porto Barrios
DEXTRIN—2,256 lbs, Cingalese Prince, Shanghai; 2,177 lbs, Atlantida, Santiago
CORN—8,460 lbs, City of Corinth, Colombo; 7,050 lbs, American Banker, London
DIATOMACEOUS EARTH—110,200 lbs, Collamer, Dunkirk
DICHLORODIFLUOROMETHANE — 5,934 lbs, American Importer, Manchester; 4,279 lbs, Alex Van Opstal, Antwerp
DIETHYL SULPHATE — 7,140 lbs, Black Eagle, Rotterdam
DIETHYLENEGLYCOL—5,500 lbs, President Roosevelt, Havre
DISINFECTANT—8,976 lbs, Chiriqui, Barranquilla; 3,197 lbs, Platano, Guaymas
DYES—2,898 lbs, Statendam, Rotterdam; 719 lbs, Alex Van Opstal, Antwerp; 1,644 lbs, L A Christensen, Buenos Aires; (Black Heron) 3,933 lbs, Antwerp; 2,809 lbs, Rotterdam
ETHYL FLUID—1,000 gls, Exiria, Constanza
ETHYLENE DICHLORIDE—3,678 lbs, Black Heron, Antwerp
ETHYLENEGLYCOL—12,719 lbs, Black Heron, Antwerp
FERTILIZER—1,020,000 lbs, Cingalese Prince, Iloilo; 100,750 lbs, Atlantida, Kingston
FLOTATION REAGENT—22,972 lbs, Sessa, San Antonio
GLASS, PLATE—8,640 lbs, Jamaica, Limon
GLUCOSE—4,753 lbs, L A Christensen, Buenos Aires
SOLID—1,005 lbs, Chiriqui, Colon
GLYCERIN—1,400 lbs, Platano, Callao; 13,276 lbs, Quirigua, Havana
GRAPHITE—8,418 lbs, Scanpenn, Gdynia
GREASE, LUBRIC—7,255 lbs, Sessa, Callao; (Uruguay) 5,948 lbs, Montevideo; 1,160 lbs, Corumba; 4,150 lbs, Platano, Puntarenas; 9,307 lbs, Scanpenn, Esbjerg; 24,684 lbs, Transylvania, Glasgow; 9,012 lbs, Santa Paula, Barranquilla; (Mormactide) 31,251 lbs, Santos; 522 lbs, Porto Alegre; 10,246 lbs, Panama, Cartagena; 1,680 lbs, Turkistan, Busreh; 12,652 lbs, Jamaica, Havana; (San Pedro) 6,310 lbs, Havre; 26,272 lbs, St Nazaire; (Extavia) 1,993 lbs, Piraeus; 1,842 lbs, Thessaloniki; 18,268 lbs, Istanbul; 4,450 lbs, Talamanca, Buenaventura; (Ragnhildsholm) 6,198 lbs, Gothenburg; 896 lbs, Malmo; 3,632 lbs, Stockholm; 4,260 lbs, Helsingfors; 2,339 lbs, Helsingborg; 15,085 lbs, Vulcania, Trieste; 10,882 lbs, Oriente, Havana; 947 lbs, Black Eagle, Antwerp; (City of Corinth) 1,080 lbs, Bombay; 1,108 lbs, Madras; 2,462 lbs, Calcutta; 8,761 lbs, American Trader, London; (Mormacport) 464 lbs, Oslo; 10,553 lbs, Gdynia; 11,146 lbs, Riga; 2,811 lbs, Helsingfors; 57,353 lbs, American Banker, London; 934 lbs, Beemsterdijk, Antwerp
HEMLOCK EXTRACT—19,510 lbs, Gloucester City, Bristol
INK, PRINTING—24,785 lbs, Sessa, Guayaquil; 8,511 lbs, L A Christensen, Rio Janeiro
INSECTICIDE — 2,095 lbs, Metapan, Porto Cortes; (Extavia) 1,806 lbs, Thessaloniki; 1,993 lbs, Piraeus; 20,112 lbs, Istanbul; 4,450 lbs, Talamanca, Buenaventura
AGRICULTURAL—25,887 lbs, Sessa, San Antonio; 31,255 lbs, Scanpenn, Helsingfors
HOUSEHOLD—16,800 lbs, Cingalese Prince, Manila; 3,000 lbs, Turkistan, Port Said
KEROSENE—504 gls, Exiria, Tunis
LACQUER—9,532 lbs, L A Christensen, Rio Janeiro
LARD—12,600 lbs, Drottningholm, Gothenburg; 39,168 lbs, Sessa, Buenaventura; 37,800 lbs, Quirigua, Havana; 103,830 lbs, Transylvania, Glasgow; (Gloucester City) 113,750 lbs, Cardiff; 81,250 lbs, Swansea; 380,575 lbs, Bristol; 13,650 lbs, San Juan, San Juan; 28,000 lbs, Santa Paula, La Guaira; 28,575 lbs, Queen Mary, Southampton; 6,000 lbs, San Jacinto, San Juan; 855,000 lbs, Black Eagle, Antwerp; (Atlantida) 20,700 lbs, Santiago; 13,800 lbs, Guantanamo; 127,000 lbs, American Trader, London; (Beemsterdijk) 12,416 lbs, Antwerp; 12,400 lbs, Rotterdam; 259,350 lbs, American Banker, London; 131,720 lbs, American Importer, Manchester
LEAD ARSENATE—11,706 lbs, Sessa, Talcahuano; 67,212 lbs, Southern Prince, Buenos Aires
BLUE, SUBLIMED—19,575 lbs, Drottningholm, Gothenburg
LINSEED CAKE—3,750,300 lbs, Alex Van Opstal, Antwerp; 225,772 lbs, President Roosevelt, Havre; 3,210,534 lbs, Black Eagle, Antwerp; (Black Heron) 2,377,401 lbs, Antwerp; 1,587,491 lbs, Rotterdam; 919,358 lbs, Beemsterdijk, Rotterdam
LITHOPONE—4,945 lbs, L A Christensen, Buenos Aires
LUBRICANTS—23,650 lbs, Statendam, Rotterdam
MANGANESE ORE—1,400 tons, A M Barnes, Ontario
METHANOL—1,375 gls, Talamanca, Kingston
MOLYBDENUM CONC—191,120 lbs, Turksib, Leningrad; 23,625 lbs, President Roosevelt, Havre
NAPHTHA—550 gls, Parnahyba, Santos
OIL, BRIGHT STOCK—293,515 gls, Barbarigo, Fiume
CASTOR—(San Juan) 756 lbs, Ponce; 952 lbs, Mayaguez; 3,360 lbs, Santa Paula, Barranquilla; 498 lbs, San Jacinto, Ponce; 8,849 lbs, President Roosevelt, Havre
COALTAR—14,355 lbs, Jamaica, Havana; 12,572 lbs, American Importer, Liverpool
CORN—(San Juan) 4,105 lbs, San Juan; 4,725 lbs, Ponce; 3,510 lbs, Mayaguez
CYLINDER—(Hanseat) 50 tons, Holland; 3,145 tons, Holland and Germany; 61,488 gls, Calliope, Rio Janeiro
EDIBLE—1,610 lbs, Sessa, Guayaquil; 480 lbs, Platano, Amapala; 2,500 lbs, Quirigua, Limon; 14,456 lbs, Chiriqui, Barranquilla; 1,273 lbs, Metapan, Porto Barrios; 6,000 lbs, Antigua, Porto Barrios; 2,500 lbs, Jamaica, Limon
FISH—1,295 lbs, Alex Van Opstal, Antwerp
LINSEED—2,745 lbs, Platano, Porto Armuelles
LUBRICATING — (Drottningholm) 550 gls, Gothenburg; 1,275 gls, Malmo; 605 gls, Kalmar; (Sessa) 6,105 gls, Callao; 7,720 gls, Mellendo; 7,375 gls, Arica; 10,450 gls, Antofagasta; 64,075 gls, Valparaiso; 13,750 gls, Talcahuano; (Uruguay) 11,920 gls, Montevideo; 5,700 gls, Buenos Aires; (Black Osprey) 1,050 gls, Amsterdam; 3,700 gls, Rotterdam; 3,850 gls, Platano, Puntarenas; 3,500 gls, Chiriqui, Barranquilla; 7,975 gls, Antigua, Porto Barrios; 1,925 gls, Scanpenn, Gothenburg; (Exiria) 6,325 gls, Tunis; 4,400 gls, Bourgas; 4,974 gls, Transylvania, Glasgow; (Gloucester City) 840 gls, Cardiff; 840 gls, Bristol; 2,635 gls, Statendam, Rotterdam; (Hanseat) 550 tons, Holland; 2,255 tons and 32,760 gls, Holland-Germany; (Cingalese Prince) 540 gls, Manila; 1,925 gls, Shanghai; 1,650 gls, Leif, Ciudad Trujillo; 2,200 gls, Santa Paula, La Guaira; (Mormactide) 2,190 gls, Buenos Aires; 60,155 gls, Santos; 2,125 gls, Rio de Janeiro; 5,840 gls, Rio Grande; 13,370 gls, Porto Alegre; (Collamer) 1,920 gls, Havre; 275 gls, Lille; 1,050 gls, Dunkirk; (Turkistan) 24,750 gls, Busreh; 4,100 gls, Baghdad; 110 gls, Port Said; (San

OIL, LUBRICATING (Continued)
Pedro) 45,817 gls, Havre; 3,385 gls, Dunkirk; 3,420 gls, Bordeaux; (President Roosevelt) 25,200 gls, Havre; 210 gls, Hamburg; 1,375 gls, Metapan, Tela; (Extavia) 36,740 gls, Piraeus; 805 gls, Thessaloniki; 22,900 gls, Istanbul; 1,650 gls, Talamanca, Buenaventura; (Ragnhildsholm) 2,102 gls, Malmo; 2,200 gls, Norrkoping; 9,175 gls, Stockholm; 1,100 gls, Helsingfors; (Vulcania) 440 gls, Lisbon; 2,750 gls, Naples; 4,850 gls, Venice; 4,676 gls, Trieste; 2,800 gls, Far, Georgetown; 2,145 gls, Black Eagle, Antwerp; 4,375 gls, Atlantida, Kingston; (City of Corinth) 550 gls, Port Said; 275 gls, Colombo; 10,450 gls, Madras; 37,675 gls, Calcutta; 1,925 gls, Black Heron, Rotterdam; 5,125 gls, American Trader, London; (Mormacport) 550 gls, Oslo; 9,460 gls, Copenhagen; 10,120 gls, Stockholm; 12,425 gls, Helsingfors; 9,550 gls, American Banker, London; (Beemsterdijk) 3,096 gls, Antwerp; 550 gls, Rotterdam; 11,300 gls, American Importer, Manchester
MINERAL—4,070 gls, American Banker, London
MOTOR—1,250 gls, Statendam, Rotterdam
NEATSFOOT—1,512 lbs, Gloucester City, Bristol
OLEO — 16,322 lbs, Statendam, Rotterdam; (Ragnhildsholm) 23,742 lbs, Malmo; 11,841 lbs, Stockholm
PALE—(Hanseat) 650 tons, Holland; 1,460 tons, Holland and Germany
PEPPERMINT—2,433 lbs, American Trader, London
STONE—570 gls, Scanpenn, Gothenburg
SULPHONATED—14,044 lbs, American Importer, Manchester
PAINT—6,354 lbs, Platano, Buenaventura; 42,190 lbs, Kai, Guiria; 2,750 lbs, Black Eagle, Antwerp; 1,358 lbs, Mormacport, Helsingfors
PREPARED—36,216 lbs, Platano, Puntarenas; 9,492 lbs, Metapan, Tela
THINNER—1,925 gls, American Banker, London
PARAFFIN — 20,156 lbs, Sessa, Chimbote; (Platano) 44,400 lbs, Pimento; 44,643 lbs, Tumaco; (Quirigua) 5,051 lbs, Havana; 55,611 lbs, Limon; (Antigua) 60,603 lbs, Retalheu; 6,673 lbs, Porto Barrios; 90,243 lbs, Santa Paula, Cartagena; (Panama) 11,122 lbs, La Libertad; 10,101 lbs, Puntarenas; (Jamaica) 44,489 lbs, Limon; 50,503 lbs, Havana; 67,810 lbs, San Pedro, Havre; 30,302 lbs, Metapan, Antigua; 8,080 lbs, Far, Port Spain; (Black Heron) 48,938 lbs, Antwerp; 22,244 lbs, Rotterdam; 57,835 lbs, Mormacport, Gothenburg
SCALE—7,116 lbs, Scanpenn, Gothenburg; 62,073 lbs, Transylvania, Glasgow
PECTIN, APPLE—790 lbs, Scanpenn, Helsingfors
PETROLATUM, MEDICINAL — 187,709 lbs, American Banker, London
PETROLEUM, REFD—11,000 gls, Leif, La Romana; (San Jacinto) 15,000 gls, San Juan; 4,000 gls, Ponce; 6,000 gls, Mayaguez
PINETAR—4,365 lbs, Scanpenn, Gothenburg
PITCH, COALTAR—1,410 lbs, President Roosevelt, Havre
POTASH CARBONATE—2,373 lbs, Talamanca, Cartagena
GUAIACOLSULPHONATE—230 lbs, Jamaica, Havana
RESIN—24,018 lbs, American Banker, London
SYNTHETIC—615 lbs, Transylvania, Glasgow; 2,835 lbs, Scanpenn, Stockholm; 1,622 lbs, San Pedro, Havre; 1,966 lbs, President Roosevelt, Havre; 2,715 lbs, American Trader, London; 2,500 lbs, American Importer, Manchester
ROSIN—3,764 lbs, Drottningholm, Gothenburg; 19,580 lbs, Scanpenn, Gothenburg; 10,783 lbs, American Banker, London; 16,051 lbs, American Importer, Liverpool
SOAP—16,025 lbs, San Juan, Ponce; 4,525 lbs, San Jacinto, Ponce
LAUNDRY—5,750 lbs, San Juan, San Juan; 23,000 lbs, Borinquen, San Juan
TOILET — 7,600 lbs, Scanpenn, Helsingfors; 3,110 lbs, San Juan, San Juan; 4,536 lbs, Borinquen, San Juan
SODA, ALUMINATE — 7,140 lbs, Uruguay, Buenos Aires
ANHYDROUS — 36,470 lbs, Transylvania, Glasgow
ASH—18,912 lbs, Gloucester City, Bristol; 42,010 lbs, Oriente, Havana
BICARBONATE—(Sessa) 35,365 lbs, Buenaventura; 9,660 lbs, Guayaquil; (Chiriqui) 11,100 lbs, Barranquilla; 5,780 lbs, Cartagena; 8,660 lbs, Oriente, Havana
BICHROMATE — 60,050 lbs, Ragnhildsholm, Norrkoping
BROMIDE—56,826 lbs, Turksib, Leningrad
CAUSTIC—(Sessa) 40,490 lbs, Buenaventura; 27,142 lbs, Callao; 13,571 lbs, Pisco; 7,180 lbs, Platano, Buenaventura; (Chiriqui) 28,720 lbs, La Libertad; 17,975 lbs, Cartagena; (Leif) 14,350 lbs, Puerto Plata; 21,406 lbs, Ciudad; 203,194 lbs, L A Christensen, Santos; (Borinquen) 17,883 lbs, Ciudad; 4,220 lbs, San Juan; 11,700 lbs, Talamanca, Cartagena; 55,262 lbs, Oriente, Havana; (Hamakua) 30,112 lbs, Honolulu; 62,572 lbs, Mahukona; 287,001 lbs, Parnahyba, Santos
CYANIDE—2,400 lbs, Antigua, Puerto Barrios
METALLIC—4,800 lbs, Mormactide, Santos
PERBORATE—546 lbs, Jamaica, Havana
PHOSPHATE, TRI—11,398 lbs, President Roosevelt, Southampton
SAL—4,500 lbs, Antigua, Banes
SILICATE—4,950 lbs, Platano, Tumaco; 113,012 lbs, Oriente, Havana
SULPHATE—4,560 lbs, Talamanca, Barrinquilla
STARCH—1,410 lbs, Mormactide, Rio Janeiro
CORN—4,053 lbs, Quirigua, Havana; 40,900 lbs, Transylvania, Glasgow; (San Juan) 1,157 lbs, San Juan; 840 lbs, Mayaguez; 5,040 lbs, Cingalese Prince, Manila; 566 lbs, Talamanca, Kingston; 7,050 lbs, City of Corinth, Colombo; 2,675 lbs, Hamakura, Hilo; 14,900 lbs, American Banker, London; (American Importer) 22,560 lbs, Manchester; 28,200 lbs, Belfast
SULPHUR, LUMP—20,320 lbs, Panama, Amapala
SUPERPHOSPHATE — 460,000 lbs, A C D, Chambly, Canton
TALC—60,600 lbs, American Importer, Liverpool
TANNING MATERIAL—21,177 lbs, Uruguay, Montevideo
TRICHLOROETHYLENE—(L A Christensen) 6,509 lbs, Santos; 71,637 lbs, Buenos Aires
TOLUOL—9,405 gls, Mormactide, Rio Janeiro
UREA—808 lbs, American Banker, London
CRYSTALS—271,350 lbs, Turksib, Leningrad
WITCH HAZEL EXTRACT—45,136 lbs, Gloucester City, Bristol; 4,971 lbs, President Roosevelt, Southampton
ZINC DUST—12,047 lbs, Sessa, Coquimbo

Baltimore Exports
Clearance Dates

Anita, July 26; Augvald, July 22; Binnendijk, July 25; Black Condor, July 22; Capillo, July 22; Challenger, July 22; Chattanooga City, July 20; City of Dalhart, July 13; Hammaren, July 21; Mandu, July 22; Nosiro, July 24; San Marcos, July 22; Scanstates, July 24; Tancred, July 21

ACID, CHROMIC—11,000 lbs, Black Condor, Antwerp; 110 lbs, Binnendijk, Rotterdam
ALCOHOL, FURFURYL—45 lbs, Binnendijk, Rotterdam
ASPHALT—80,236 lbs, Capillo, London
BORDEAUX MIXTURE—2,016 lbs, Challenger, Lourence Marques
CALCIUM ARSENATE—528 lbs, Challenger, Capetown
CHALK, POWD—20,000 lbs, Black Condor, Antwerp
CHEMICALS—140 lbs, Capillo, London
CLAY—50 lbs, Black Condor, Antwerp
DEODORIZER—83 lbs, City of Dalhart, Manila
DEXTRIN—12,440 lbs, Challenger, Johannesburg
GREASE, LUBRIC — 10,348 lbs, Hammaren, Stockholm; 4,365 lbs, San Marcos, Panama; 13,940 lbs, Anita, Montevideo; 6,037 lbs, Black Condor, Rotterdam; (Nosiro) 82,364 lbs, Yokohama; 17,168 lbs, Kobe; 9,854 lbs, Scanstates, Copenhagen; 26,250 lbs, Binnendijk, Amsterdam
INSECTICIDE—1,089 lbs, San Marcos, Honduras; (Challenger) 742 lbs, Zanzibar; 96,750 lbs, Capetown; 3,250 lbs, Port Elizabeth
LEAD ARSENATE—12,000 lbs, Challenger, Capetown
LICORICE PASTE—3,045 lbs, Hammaren, Gothenburg
LOGWOOD EXTRACT—550 lbs, Black Condor, Rotterdam
OIL, ENGINE, RED—296 bbls, Binnendijk, Rotterdam
LUBRICATING—2,168 gls, Augvald, Rio Janeiro; 17,548 gls, Nosiro, Osaka
PAINT—7 gls, Hammaren, Skara
PASSION FLOWER HERB—2,293 lbs, Black Condor, Antwerp
PETROLATUM—11,859 lbs, Nosiro, Yokohama
POLISH—505 lbs, Black Condor, Antwerp; 714 gls, Capillo, London; 3,770 lbs, San Marcos, Panama
PORCELAIN ENAMEL FRIT—1,100 lbs, Black Condor, Antwerp
POTASH BICHROMATE—6,720 lbs, Chattanooga City, Calcutta
17,637 lbs, Binnendijk, Rotterdam
SILICA FLOUR—1,200 lbs, City of Dalhart, Manila
SODA ASH—110,250 lbs, Anita, Santos
BICHROMATE—11,424 lbs, Chattanooga City, Calcutta; 22,240 lbs, Augvald, Santos; 22,046 lbs, Black Condorfi Antwerp
CAUSTIC—220,500 lbs, Augvald, Buenos Aires; 154,000 lbs, Mandu, Santos; 448,158 lbs, Tancred, Shanghai
SMALTZ, PAINTER'S RED—4,000 lbs, City of Dalhart, Manila; 1,900 lbs, Tancred, Manila
SOAP POWDER—1,008 lbs, Capillo, London
SOYBEAN FLOUR—6,250 lbs, Hammaren, Gothenburg
STARCH—(Hammaren) 22,000 lbs, Gothenburg; 4,402 lbs, Oslo
STENCIL COMP—636 lbs, Challenger, Port Elizabeth
TALLOW—21,022 lbs, San Marcos, Nicaragua

Beaumont Exports
Clearance Dates

Britamer, July 25; Colonial, July 24; Davanger, July 22; Fulgor, July 23

BLACK, CARBON—1,800 bgs, Colonial, Manchester
OIL, GAS—(Fulgor) 23,614 bbls, Thessaloniki; 33,355 bbls, Piraeus
PETROLEUM, CRUDE—79,786 bbls, Davanger, Montreal; 111,599 bbls, Britamer, Montreal

Boston Exports
Clearance Dates

American Shipper, July 24; Challenge, July 20; Hjelmaren, July 24; Lady Drake, July 29; President Hayes, July 26; Tosan, July 21; Yarmouth, July 25, 27

ALUMINA OXIDE—1,960 bgs, and 19 kgs, 200,678 lbs, Challenge, London
ASBESTOS FIBER—8,250 bgs, Tosan, Japan
BLUE, LAUNDRY—1 cs, 100 lbs, Yarmouth, Halifax
CEMENT, CAN—10 dms, 4,542 lbs, Challenge, London
CHEMICALS—27 dms, 999 lbs, Challenge, London
CLAY—187 bbls, 22 tons, Challenge, London
DIATOMACEOUS EARTH—448 bgs, 22,400 lbs, Challenge, London
DRESSING, BELT—1 cs, 52 lbs, Challenge, London
SHOE—10 kgs, 870 lbs, President Hayes, Manila
FLUX—100 bbls, 13,500 lbs, Challenge, London
GREASE, LUBRIC—4 crtns, 100 lbs, Yarmouth, St John, N B
GUM, SYNTH—1 dm, 100 lbs, Challenge, London
INK, WRITING—4 cs, President Hayes, Manila
INVALIDS' FOOD—2 cs, 300 lbs, Lady Drake, Hamilton
LARD—(Challenge) 10 trcs, 3,789 lbs, Cork; 250 bxs, 14,000 lbs, London
LINING COMP—104 dms, 520 gls, Challenge, Hamburg
LITHIA WATER—3 cs, 9 gls, Yarmouth, Paradise, N S
LUBRICANT—1 cs, 10 gls, Challenge, London
MEDICINAL PREPS—8 cs, 691 lbs, Lady Drake, Hamilton
MOLASSES—(Hjelmaren) 95 bbls, 5,225 gls, Copenhagen; 13 bbls, 715 gls, Abo
MUCILAGE—1 cs, 183 lbs, President Hayes, Hongkong
OIL, LUBRIC—5 bbls, 2,633 lbs, Challenge, Wellingsboro; 79 dms, Yarmouth, St John, N B; 3 dms, 160 gls, Lady Drake, Hamilton
OLEO—10 trcs, 4,048 lbs, Challenge, Cork
WATCH—2 bxs, 28 lbs, Challenge, London
PASTE, ADHES—(President Hayes) 2 cs, 276 lbs, Manila; 1 cs, 97 lbs, Hongkong
POLISH—(Lady Drake) 26 crtns, 212 lbs, Port of Spain; 1 cs, 17 lbs, Georgetown
SOAP, FLAKE—20 cs, 333 lbs, President Hayes, Manila
TAR—1,200 cs, 41,250 lbs, President Hayes, Manila
TOILET—3,500 cs, 94,375 lbs, President Hayes, Manila
STEARIN, OLEO—10 trcs, 3,000 lbs, Challenge, Cork
TANNING FINISH—22 bbls, 1,258 gls, American Shipper, Leeds

Corpus Christi Exports
Clearance Dates

Aguita, July 16; Bente Maersk, July 24; Cardita, July 10; Elusa, July 14; Frimaire, July 16; Havfru, July 8; Krossfon, July 10; Rousilon, July 12; Saint Gobain, July 10; Solarium, July 15

GASOLINE—73,160 bbls, Solarium, Curacao,
OIL, GAS—80,432 bbls, Havfru, Curacao; 85,27 bbls, Cardita, Amsterdam; 62,548 bbls Elusa, Curacao; 31,696 bbls, Agnita United Kingdom
PETROLEUM, CRUDE—110,866 bbls, Sain Gobain, Berre; 99,960 bbls, Krossfon Havre; 113,124 bbls, Rousslion, Havre 106,298 bbls, Frimaire, Berre; 35,852 bbls Bente Maersk, Foreign

Galveston Exports
Clearance Dates

Liberator, July 22; Louisiane, July 24

CONCENTRATES—295 tons, Liberator, London
SULPHUR—20 tons, Vigrid, Gdynia; 2,850 tons, Liberator, London; (Louisiane) 1,500 tons, Antwerp; 400 tons, Dunkirk

Houston Exports
Clearance Dates

Ancylus, July 21; Atlantian, July 21; Loida, July 22; Norvinn, July 20; Oilreliance, July 21; Smaland, July 21; Taketoyo, July 21; Vigrid, July 21

BLACK, CARBON—122 cs, Vigrid, Gdynia; (Taketoyo) 147 cs, 209 bgs, Yokohama; 23 cs, 322 bgs, Kobe; (Atlantian) 30,854 bgs, Liverpool; 5,145 pkgs, Manchester
CLAY, GRD—672 bgs, Atlantian, Liverpool
HELIUM—1,015 cyls, Vigrid, Gdynia
OIL, FUEL—55,236 bbls, Loida, Germany; 49,195 bbls, Smaland, Germany
GAS—10,000 tons, Norvinn, Rotterdam; 8,200 tons, Oilreliance, Lisbon
PETROLEUM, CRUDE—11,600 tons, Ancylus, Montreal
POTASH—(Taketoyo) 1,800 tons, Yokohama; 200 tons, Osaka

Lake Charles Exports
Clearance Date

Margeret Lykes, July 16

ROSIN—(Margeret Lykes) 25 dms, Mollendo; 60 dms, Buenaventura
TURPENTINE—26 pkgs, Margeret Lykes, Callao

Los Angeles Exports
Clearance Dates

Argyll, July 17; Capella, July 18; City of Newport News, July 17; Condor, July 15; Dameterdyk, July 15; Erria, July 20; Hollywood, July 14; Josephine Lawrence, July 19; Kimikawa, July 20; Knute Nelson, July 19; Leiv Eiriksson, July 18; Margaret Johnson, July 14; President Van Buren, July 17; Roseville, July 15; Tai Ping Yang, July 18; Utacarbon, July 15.

ACETONE—123 dms, 44,040 lbs, Damsterdyk, Amsterdam; (Margaret Johnson) 92 dms, 32,940 lbs, Stockholm; 33 dms, 11,820 lbs, Copenhagen; 79 dms, 28,520 lbs, Helsingfors; 18 dms, 6,450 lbs, Memel
ACID, BORIC—(Damsterdyk) 200 bgs, 22,400 lbs, Rotterdam; 1,600 bgs, 179,200 lbs, Glasgow; 3,000 bgs, 336,000 lbs, Knute Nelson, London
MURIATIC—5 cbys, 580 lbs, Kimikawa, Barranquilla
ALCOHOL, BUTYL—30 dms, 11,070 lbs, Damsterdyk, Amsterdam
ASPHALT—30 dms, 13,440 lbs, Condor, Guayaquil
BARYTES, GRD—250 dms, 100,000 lbs, City of Newport News, Porto Cabello
BORATE—300 bgs, 56,060 lbs, Damsterdyk, Glasgow; (Knute Nelson) 7,000 bgs, 1,073,-90 lbs, London; 3,973 bgs, 679,930 lbs, Liverpool
BORAX—(Damsterdyk) 100 bgs, 11,200 lbs, London; 800 bgs, 112,000 lbs, Liverpool; 4,000 bgs, 448,000 lbs, Rotterdam; 2,000 bgs, 224,000 lbs, Glasgow; (Margaret Johnson) 1,000 bgs, 112,000 lbs, Hull; 1,360 bgs, 168,000 lbs, London; 296 bgs, 33,150 lbs, Noorhoping; 788 bgs, 88,260 lbs, Malmo; (Knute Nelson) 1,080 bgs, 123,200 lbs, London; 4,280 bgs, 515,200 lbs, Liverpool
GLASS—100 lbs, Condor, Amapala
CALCIUM ARSENATE—75 dms, 12,500 lbs, Condor, La Union
DIATOMACEOUS EARTH—(Damsterdyk) 110 bgs, 11,280 lbs, London; 154 bgs, 15,790 lbs, Liverpool; 219 bgs, 22,450 lbs, Liverpool; 771 bgs, 77,100 lbs, Rotterdam; 510 bgs, 52,220 lbs, Glasgow; (Margaret Johnson) 448 bgs, 44,800 lbs, Hull; 386 bgs, 31,460 lbs, London; 15 bgs, 1,200 lbs, Stockholm; 225 bgs, 22,500 lbs, Helsingfors; 40 bgs, 4,000 lbs, Tai Ping Yang, Manila; (Knute Nelson) 219 bgs, 22,450 lbs, Liverpool; 48 bgs, 4,680 lbs, Oslo
FILM SCRAP—46 cs, 11,580 lbs, Margaret Johnson, London
GASOLINE—(Utacarbon) 20,141 bbls, 5,232,570 lbs, Balboa; 21,433 bbls, 5,594,010 lbs, Balboa/Cristobal; (Condor) 150 dms, 49,330 lbs, Tegucigalpa; 2,200 dms, 724,540 lbs, Puntarenas
AVIATION—19 dms, 6,260 lbs, Utacarbon, Balboa
GREASE—500 lbs, Roseville, Semarang
KEROSENE—8,482 bbls, 2,417,370 lbs, Utacarbon, Balboa
LACQUER, NITROCELLULOSE—1,720 lbs, Hollywood, San Juan; 3,610 lbs, President Van Buren, Manila
THINNER—4,320 lbs, President Van Buren, Bombay
METHYL KETONE—3 dms, 1,100 lbs, Damsterdyk, Amsterdam
OIL, DIESEL—30 dms, 11,860 lbs, Condor, Puntarenas
EMULSION—2,480 lbs, Condor, Callao
FUEL—83,000 bbls, 2,763,900 lbs, Capella, Tocopilla; 22,647 bbls, 7,541,450 lbs, Argyll, Santa Rosalia
FURNACE—105,549 bbls, 32,931,290 lbs, Leiv Eiriksson, Curacao
LUBRICATING—65 dms, 32,980 lbs, President Van Buren, Manila; 15 dms, 7,760 lbs, Tai Ping Yang, Manila
PAINT, ASPHALT—1,500 lbs, Utacarbon, Panama
PECTIN, CITROUS—(Knute Nelson) 1,000 lbs, Gothenburg; 1,400 lbs, Stockholm
PEPPER, BLACK—140 lbs, Kimikawa, Guayaquil
SOAP—1,000 ctns, 50,000 lbs, Hollywood, San Juan
SODA ASH—800 bgs, 80,000 lbs, Josephine Lawrence, Ocean Falls; 577 bgs, 114,490 lbs, Tai Ping Yang, Hongkong
CAUSTIC—2,550 lbs, President Van Buren, Manila
SOLVENTS—22 dms, 8,760 lbs, Damsterdyk, Amsterdam
SULPHUR—(Condor) 2,100 lbs, San Jose de Guatemala; 6,000 lbs, Ciudad de Guatemala

TALC—92 sx, 8,960 lbs, Margaret Johnson, Cartagena; 91 sx, 11,200 lbs, Condor, Guayaquil
TANNERS' BATE—1,880 lbs, Kimikawa, Barranquilla
TOILET PREPS—(President Van Buren) 470 lbs, Singapore; 140 lbs, Calcutta; (Kimikawa) 1,350 lbs, Bogota; 310 lbs, Lima; 1,080 lbs, Erria, Vancouver; (City of Newport News) 890 lbs, Panama City; 450 lbs, Port of Spain

Mobile Exports
Clearance Date

Sorvangen, July 19

PAINT MATERIAL — 17 dms, Sorvangen, Paramaribo
ROSIN, WOOD—(Sorvangen) 55 dms, Ciudad Trujillo; 20 dms, Puerto Plata; 40 bbls, 60 dms, Puerto Cabello; 25 dms, Valencia
TURPENTINE, WOOD—100 dms, Sorvangen, Puerto Cabello

New Orleans Exports
Clearance Dates

Amapala, June 12; Cadmus, June 17; Choluteca, June 27; Edam, July 1; Gundersen, June 16; Harboe Jensen, June 20; Montello, June 30; Morazan, June 7, June 22; Nordvangen, June 20; Patrick Henry, June 28; Sixaola, June 30; Tegucigalpa, June 2, 15, 30; Telde, June 30; Ulua, June 27

ACETONE—12 tons, Edam, Antwerp
ASPHALT—60 tons, Edam, London; 2 tons, Tegucigalpa, Vera Cruz
BLACK, CARBON—2 tons, Montello, Genoa; (Edam) 45 tons, London; 1 ton, Antwerp; 1 ton, Tegucigalpa, Vera Cruz
CALCIMINE—27 kgs, Nordvangen, La Guaira
CALCIUM, ARSENATE—2 tons, Tegucigalpa, Vera Cruz
CARBON, DIOXIDE—1 ton, Ulua, Tela
CLAY—10 tons, Patrick Henry, London
GROUND—1 ton, Tegucigalpa, Vera Cruz
CORN SYRUP—46 tons, Patrick Henry, London
COTTONSEED HULL SHAVING PULP—68 tons, Edam, Amsterdam
DRESSING, LEATHER—4 tons, Tegucigalpa, Tampico
FIRECLAY—6 tons, Choluteca, Barranquilla
FULLERS EARTH—30 tons, Tegucigalpa, Vera Cruz
GAS, LIQ—18 tons, Tegucigalpa, Vera Cruz
GREASE, LUBRIC—10 dms, 61 cs, Tegucigalpa, Vera Cruz
GYPSUM—1 ton, Tegucigalpa, Tampico
INK—2 tons, Sixaola, Havana
INSECTICIDE, AGRIC—2 tons, Morazan, Vera Cruz; 56 pkgs, Nordvangen, La Guaira
KEROSENE—375 cs, Sixaola, Puerto Limon
LACQUER—2 tons, Tegucigalpa, Vera Cruz
LARD—(Harboe Jensen) 700 tins, Barranquilla; 3,050 tins, 30 cs, Cartagena; 350 tins, Ulua, Puerto Barrios; (Telde) 1,000 tins, Panama; 850 tins, Puntarenas; 1,491 tins, Guayaquil; 500 tins, Buenaventura; 400 tins, San Jose; (Sixaola) 425 dms, 50 tubs, Havana; 1,800 tins, Puerto Limon; (Choluteca) 775 tins, 360 dms, 305 cs, Santiago; 1,200 tins, 10 cs, Barranquilla; 2,300 tins, Cartagena; 1,000 tins, Santa Marta; (Nordvangen) 630 tins, 270 pkgs, 13 cs, Port au Prince; 700 pkgs, Ciudad Trujillo; 100 tins, Willemstad; 1,400 tins, Puerto Cabello; 4,900 tins, La Guaira; (Cadmus) 260 tins, 1,031 dms, 213 cs, 143 crts, Santiago; 400 tins, 20 cs, Barranquilla; 3,050 tins, Cartagena; 1,300 tins, Santa Marta; 700 tins, Morazan, Vera Cruz; (Tegucigalpa) 2,250 tins, Vera Cruz; 1,700 tins, Tampico
LEAD ARSENATE—4 tons, Tegucigalpa, Vera Cruz
LICORICE MASS—1 ton, Tegucigalpa, Vera Cruz
LIME, HYDRATED—80 tons, Tegucigalpa, Vera Cruz
OIL, FUEL—285 bbls, Telde, Puntarenas; 1,150 bbls, Nordvangen, Moengo; 2,000 bbls, Amapala, Ceiba
LUBRICATING—(Telde) 10 dms, Puntarenas; 7 dms, Mollendo; 40 dms, 45 ctns, Choluteca, Santa Marta; (Nordvangen) 250 crts, Ciudad Trujillo; 330 pkgs, Willemstad; 1,800 pkgs, Puerto Cabello; 1,900 pkgs, La Guaira; (Montello) 151 tons, Genoa; 13 tons, Caronte; 50 tons, Naples; 10 tons, Patrick Henry, London; 6 dms, Cadmus, Barranquilla; (Edam) 15 tons, London; 10 tons, Antwerp; (Tegucigalpa) 13 dms, Tampico; 231 dms, 1,080 cs, Vera Cruz
OLIVE—63 tons, Tegucigalpa, Vera Cruz
PINE—3 tons, Montella, Genoa; 3 tons, Tegucigalpa, Tampico; 3 tons, Edam, Antwerp
PAINT—1 ton, Gundersen, Puerto Mexico
PARAFFIN—(Montello) 279 tons, Genoa; 198 tons, Naples; 66 tons, Morazan, Vera Cruz; 27 tons, Edam, London; (Tegucigalpa) 49 tons, Tampico; 195 tons, Vera Cruz
PINETAR—20 tons, Tegucigalpa, Vera Cruz
QUEBRACHO EXTRACT—47 tons, Tegucigalpa, Vera Cruz
ROSIN (Harboe Jensen) 25 tons, Barranquilla; 10 tons, Cartagena; 45 tons, Cadmus, Cartagena; (Edam) 71 tons, London; 29 tons, Antwerp; 29 tons, Rotterdam
WOOD—39 tons, Sixaola, Havana; 6 tons, Choluteca, Barranquilla; 36 tons, Patrick Henry, London
SALT—5 tons, Ulua, Tela; (Sixaola) 83 tons, Havana; 55 tons, Cristobal; 100 bgs, Nordvangen, Ciudad Trujillo; 2 tons, Cadmus, Santiago; 2 tons, Tegucigalpa, Vera Cruz
SODA, CAUSTIC—24 tons, Sixaola, Havana; (Tegucigalpa) 70 tons, Vera Cruz; 35 tons, Tampico
STARCH, POWD—250 tons, Edam, London; 35 tons, Morazan, Vera Cruz
SUPERPHOSPHATE—10 tons, Telde, Salaverry
SULPHUR—45 tons, Morazan, Vera Cruz; 35 tons, Tegucigalpa, Tampico
TURPENTINE—1 ton, Sixaola, Panama City
WAX, FLOOR—1 ton, Tegucigalpa, Vera Cruz

Norfolk Exports
Clearance Dates

Binnendijk, July 26; Black Condor, July 24; Capillo, July 25; City of Dalhart, July 24; Frode, July 25

ALCOHOL, BUTYL—50 dms, Capillo, London
ISOPROPYL—2 dms, Capillo, London
OCTYL—1 dm, Capillo, London
ALETRIS ROOT—6 bgs, 274 lbs, Capillo, London
BAYBERRY ROOT BARK—3 bgs, 257 lbs, Capillo, London
BLACK HAW TREE BARK—3 bls, 1,529 lbs, Capillo, London
BONE, SCRAP—1,469 bgs, 50 tons, Binnendijk, Rotterdam
BUTYL ACETATE—120 dms, Capillo, London
CARBINOL—35 dms, Capillo, London
BUTYL—2 dms, Capillo, London
COHOSH ROOT—5 bgs, 634 lbs, Capillo, London
DEXTRIN—57 bgs, 10,800 lbs, Binnendijk, Amsterdam
DICHLORMETHANE—5 dms, 3,180 lbs, Capillo, London
DIETHANOLAMINE—1 dm, Capillo, London
DIETHYLENEGLYCOL—20 dms, Capillo, London
DIOXAN—1 dm, Capillo, London
ETHYLENE DICHLORIDE—10 dms, Capillo, London
ETHYLENEGLYCOL—10 dms, Capillo, London
MONOBUTYLETHER—35 dms, Capillo, London
MONOETHYLETHER — 200 dms, Capillo, London
MONOETHYLETHER ACETATE—40 dms, Capillo, London
MONOMETHYLETHER—20 dms, Capillo, London
FERTILIZER COMP—500 bgs, 50,750 lbs, City of Dalhart, Honolulu
GOLDEN ROD—1 bl, 143 lbs, Capillo, London
ISOPROPYL ACETATE—25 dms, Capillo, London
IVY VINE, GRD—1 bl, 163 lbs, Capillo, London
LEAD, WHITE, DRY—38 bbls, 23,712 lbs, City of Dalhart, Manila
LOBELIA HERB—7 bls, 2,256 lbs, Capillo, London
MEDICINAL PREPS—37 pkgs, 2,516 lbs, Capillo, London
MICA—(Binnendijk) 132 bgs, 13,464 lbs, Rotterdam; 100 bgs, 10,200 lbs, Amsterdam; 110 bgs, 11,000 lbs, Black Condor, Antwerp; 50 bgs, 51,220 lbs, Capillo, London
MONOETHANOLAMINE — 7 dms, Capillo, London
PROPYLENEGLYCOL—3 dms, Capillo, London
RESIN, SYNTHETIC POWD—2 ctns, Capillo, London
SASSAFRAS, ROOT BARK—43 bgs, 7,133 lbs, Capillo, Hamburg
13 bags, 1,183 lbs, Capillo, London
TANNING EXTRACT—(Frode) 75 bgs, 11,574 lbs, Memel; 45 bgs, 6,750 lbs, Bergen; 30 bgs, 4,630 lbs, Tallinn
TRIETHANOLAMINE—25 dms, Capillo, London
WAX FLOOR PASTE—260 bxs, 17,435 lbs, City of Dalhart, Manila
WITCH HAZEL LEAVES—6 bls, 2,277 lbs, Capillo, Hamburg

Philadelphia Exports
Clearance Dates

Anita, July 24; Black Hawk, July 24; Buenos Aires, July 24; Ferndale, July 26; Gogovale, July 24; Hammaren, July 24; Kellerwald, July 28; Mandu, July 26; Montreal City, July 25; Richmond Castle, July 25

ACID, PHOSPHORIC—2 bbls, Richmond Castle, Durban
ALCOHOL, AMYL—24 pkgs, Black Hawk, Antwerp
AMYL ACETATE—1 pkg, Black Hawk, Antwerp
BENZOL—50 pkgs, Anita, Buenos Aires; 182 dms, Buenos Aires, Buenos Aires
BERYLLIUM—1 pkg, Kellerwald, Hamburg
CLEANER—1 bx, Richmond Castle, Durban
COLLODION COTTON—205 pkgs, Black Hawk, Rotterdam
ETHYL CELLULOSE—8 pkgs, Black Hawk, Rotterdam
FLUID—85 pkgs, Kellerwald, Hamburg
FUNGICIDE—5 pkgs, Anita, Buenos Aires
GASOLINE—(Richmond Castle) 1,000 cs, Walfish Bay; 750 cs, Luderitz Bay; 100 cs, Capetown; 50 cs, Mossel Bay; 50 cs, Port Elizabeth; 900 cs, Durban; (Mandu) 1,500 cs, Paranagua 9,500 cs, Santos
GREASE—1 cs, Mandu, Rio de Janeiro
LUBRICATING—10 pkgs, Anita, Santos; 34 pkgs, Pipestone County, Havre; 20 pkgs, Killerwald, Hamburg; (Mandu) 59 bkts, 45 bbls, 35 cs, Rio de Janeiro; 58 bbls, 95 cs, 60 bkts, Santos; (Richmond Castle) 20 dms, 100 bkts, Capetown; 15 cs, 10 dms, 85 bkts, Mossel Bay; 15 cs, 30 bkts, Port Elizabeth; 17 dms, 15 bkts, East London; 10 cs, 5 dms, Durban; 50 bkts, Lourenco Marques
HERCOLYN—15 pkgs, Black Hawk, Rotterdam
INK, PRINTING—2 pkgs, Black Hawk, Antwerp
INSECTICIDE—1 pkg, Anita, Buenos Aires; 66 ctns, Richmond Castle, Beira
KEROSENE—7,750 cs, Mandu, Santos
LACQUER, DILUENT—150 bbls, Richmond Castle, Lourenco Marques
LICORICE PASTE—12 cs, Mandu, Rio de Janeiro
LINSEED, CAKE — 1,154 pkgs, Pipestone County, Havre or St Nazaire; 1,160 bgs, Kellerwald, Hamburg
MEAL—(Ingrid) 2,665 bgs, Trinidad; 50 bgs, Trinidad or British Guiana; 4,275 bgs, Barbados; 400 bgs, British Guiana; 550 bgs, St Kitts
MANGANESE ORE—469 bgs, Richmond Castle, Durban
MEDICINAL PREPS—100 pkgs, Pipestone County, Havre
MINERAL SPTS—(Mandu) 600 cs, Rio de Janeiro; 500 cs, Santos
OIL, COALTAR—4 pkgs, Pipestone County, Havre
CYLINDER—80 dms, 35 cs, Mandu, Santos
KEROSENE—(Richmond Castle) 850 cs, Walfisch Bay; 250 cs, Luderitz Bay; 400 cs, Capetown; 350 cs, Mossel Bay; 400 cs, Port Elizabeth; 600 cs, East London; 3,350 cs, Durban; 500 cs, Lourenco Marques
LUBRICATING—(Gogovale) 21 ctns, 50 pkgs, Beyrouth; 45 pkgs, Lisbon; 24 pkgs, Jaffa; 30 cs, 28 pkgs, Haifa; 1,297 pkgs, Casablanca; 437 dms, 35 cs, Alexandria; 1,879 pkgs, Istanbul; (Anita) 453 pkgs, Rio de Janeiro; 300 pkgs, Santos; (Hammaren) 151 pkgs, Helsingborg; 221 pkgs, Sundsvaal; 1,321 pkgs, Gothenburg; 253 pkgs, Norrkoping; 466 pkgs, Malmo; 2,112 pkgs, Stockholm; 879 pkgs, Helsinki; (Buenos Aires) 190 pkgs, Ceara; 150 pkgs, Para; 431 pkgs, Bahia; 17 dms, Pernambuco; 142 pkgs, Paranagua; 321 cs, 10 dms, 20 qtr dms, 950 pkgs, Santos; (Black Hawk) 193 pkgs, Antwerp; 171 pkgs, Rotterdam; 5 pkgs, Montreal City, Cardiff; (Pipestone County) 1,139 pkgs, Havre; 1,285 pkgs, Bordeaux; 12 pkgs, St Nazaire; (Richmond Castle) 271 dms, 1,255 cs, Walfisch Bay; 74 dms, 645 cs, Luderitz Bay; 1,486 dms, 86 crtns, 500 buckets, 315 cs, Capetown; 165 cs, 195 dms, Mossel Bay; 476 dms, 165 cs, Port Elizabeth; 685 dms, 2 ctns, 1 cs, East London; 682 dms, 798 cs, Durban; 240 dms, 12 cs, Lourenco Marques; 4 ctns, Beira; 1,110 pkgs, Kellerwald, Hamburg; (Mandu) 1,138 dms, 1,082 cs, 255 ctns, 206 bbls, Rio de Janeiro; 15 cs, 5 dms, Paranagua; 25 cs, 10 dms, Victoria; 1,025 cs, 3,096 ctns, 1,023 dms, Santos; 30 dms, Porto Alegre
OIL, TRANSFORMER—5 cs, Richmond Castle, Walfisch Bay; 30 dms, 1 bbl, Mandu, Santos
PAINT—5 pkgs, Anita, Buenos Aires; 19 ctns, Gogovale, Manaos; (Richmond Castle) 3 ctns, Capetown; 5 ctns, East London; 1 bx, Durban
PARAFFIN—25 pkgs, 1 pkg, Black Hawk, Antwerp
PHENOL, AMYL—3 pkgs, Black Hawk, Rotterdam
PIGMENT PASTE—3 hlf bbls, 3 cns, Richmond Castle, Port Elizabeth
PLASTIC—190 pkgs, Montreal City, Cardiff
POLISH, AUTO—1 pkg, Anita, Santos; 36 ctns, Richmond Castle, Capetown
PUTTY—1 ctn, Richmond Castle, East London
RESIN, COALTAR—52 pkgs, Pipestone County, Havre
ROSIN, LIQUID ESTER—15 pkgs, Black Hawk, Rotterdam
SHELLAC, GASKET—6 ctns, Richmond Castle, Capetown
SOLDER DROSS—15 pkgs, Montreal City, Bristol
SOLVENT—100 dms, Buenos Aires, Buenos Aires
TOLUOL—50 pkgs, Anita, Buenos Aires
TURPENTINE SUBSTITUTE — (Richmond Castle) 35 bbls, Capetown; 200 bbls, Durban
WAX—(Mandu) 50 bbls, 51 cs, Rio de Janeiro; 50 bgs, 100 bbls, 100 ctns, Santos
ZIRCONIUM OXIDE—1 pkg, Black Hawk, Rotterdam

Port Arthur Exports
Clearance Dates

Castana, July 18; Clearwater, July 15; Inverliffey, July 19; Norvik, July 21; Taketoyo, July 18; Turicum, July 18

ASPHALT, LIQ—(Clearwater) 5 dms, Bahia; 10 dms, 28 cs, Rio de Janeiro; 50 dms, 30 cs, 4 bxs, Santos
PETROLEUM—243 cs, 20 dms, Casana, Cristobal
SOLID—(Clearwater) 15 dms, Bahia; 1,500 dms, Santos
CLEANER—100 bbls, Casana, Cristobal
GASOLINE—10,000 dms, Taketoyo, Yokkaichi; 115,143 bbls, Inverliffey, Santander-Bilbao
AVIATION—100 bbls, Castana, Cristobal
GREASE, LUBRIC—(Clearwater) 26 dms, 2 cs, Bahia; 190 dms, 145 cs, 45 crts, Rio de Janeiro; 374 dms, 325 crts, 13 bbls, Santos; 23 dms, 21 cs, Castana, Cristobal
KEROSENE—(Clearwater) 14,000 cs, Bahia; 50 cs, Rio de Janeiro; 5,685 bbls, Turicum, Copenhagen; 2,000 cs, 200 bbls, Castana, Cristobal
NAPHTHA, PETROLEUM—100 dms, Clearwater, Santos
OIL, DIESEL—680 dms, Clearwater, Bahia; 100 bbls, Castana, Cristobal
FUEL—7,118 bbls, Turicum, Copenhagen; 41,488 bbls, Castana, Cristobal
GAS—55,814 bbls, Turicum, Copenhagen; 106,033 bbls, Norvik, Curacao
LUBRICATING—(Clearwater) 471 dms, 180 cs, 20 bbls, Bahia; 1,511 dms, 835 cs, 15 crts, Rio de Janeiro; 50 dms, Paranagua; 1,151 dms, 3,403 cs, 10 crts, 25 bbls, Santos; 11,736 bbls, Turicum, Copenhagen
LUBRICATING, PALE—110 dms, 639 cs, Castana, Cristobal
SIGNAL—350 cs, Clearwater, Rio de Janeiro

San Francisco Exports
Clearance Dates

Akatuki, June 17; Beranger, June 30; Besholt, June 29; Birmingham City, June 30; Brandanger, June 28; City of Los Angeles, June 17; City of San Francisco, June 28; District of Columbia, June 19; Edwy R Brown, June 23; Erling Brovig, June 26; Glaucus, June 24; Goyo, June 29; Hoegh Merchant, June 16; Kingsley, June 16; Mariposa, June 20; Montebello, June 24; Moveria, June 29; President Pierce, June 16; Richmond, June 17; Siamese Prince, June 29; Taiyo, June 27; Tatuno, June 27; Thorshavn, June 17; Tweedbank, June 28; Vancouver, June 29; Vitus Bering, June 29; Wales, June 30; Zuiyo, June 29

ABRASIVE PAPER—2 cs, President Pierce, Manila
ACID, BORIC—(Mariposa) 220 sks, Australia; 40 sks, New Zealand
FATTY—(Wales) 90 sks, Panama; 900 sks, Wales, Ecuador
AMMONIA—(President Pierce) 47 cyls, Shanghai; 2 cs, Manila
ANNATTO SEED—20 sks, President Pierce, Yokohama
ASPHALT — (Hoegh Merchant) 3,591 dms, Batavia-Samarang-Sourabaya; 15 dms, Ras Tanura; 20 bbls, Manila; 500 dms, Mariposa, Australia; 85 dms, Tatuno, Valparaiso; 30 dms, Brandanger, Peru; 200 bbls, Siamese Prince, Manila; 10 dms, Wales, Costa Rica; (Moveria) 1,649 dms, London; 111 dms, Glasgow; 291 sks, Beranger, France
GILSONITE—848 sks, Vancouver, Hamburg; 291 sks, Beranger, France
BIOLOGICALS—1 pkg, Mariposa, Australia
VETERINARY—1 cs, President Pierce, Pasay; 1 cs, Mariposa, Australia
BENTONITE—2 sks, Kingsley, Vancouver
BLACK, CARBON—37 cs, Siamese Prince, Saigon; 160 sks, Kingsley, Victoria
DROP—1 bbl, Kingsley, Vancouver
LAMP—10 cs, Mariposa, Australia
BLUE, ULTRAMARINE — 2 bbls, Mariposa, Australia
BORAX, GRAN—100 sks, Mariposa, Australia
POWDER—(Mariposa) 440 sks, Australia; 60 sks, New Zealand
BUTTERMILK POWDER—6 bbls, President Pierce, Manila
CARAWAY SEED—2 sks, President Pierce, Shanghai
CARBON—20 sks, Beranger, France
437 sks, President Pierce, Yokohama
BISULPHIDE—1 cs, Kingsley, Victoria
CATTLE HOOFS—177 sks, President Pierce, Kobe
CEMENT, LIQ—25 dms, 100 pls, Mariposa, Australia
MAGNESIA—(Birmingham City) 37 sks, Port Said; 37 sks, Egypt
ROOF—1 bbl, Mariposa, Australia
VULCANIZING—10 cs, Besholt, Shanghai
CHEMICALS—(President Pierce) 2 cs, Chengtu; 2 cs, Manila; 12 cs, Hongkong; 21 cs, 8 dms, 4 kegs, Shanghai; 20 cs, Hoegh Merchant, Batavia; 1 cs, Kingsley, Vancouver; 3 dms, Mariposa, Australia
CHLORINE—(Tweedbank) 41 cyls, Philippine Islands; 200 cyls, China
BLEACH, LIQ—9 cs, President Pierce, Manila
CHLOROFORM—1 cs, Kingsley, Vancouver
CINNAMON—2 bls, Goyo, Costa Rica; 1 bl, Wales, Puntarenas
CLAY, GRD—1 keg, Kingsley, Vancouver; 5 sks, Mariposa, Australia
CLEANER—20 cs, Kingsley, Vancouver; 5 cs, Richmond, Vancouver; (President Pierce) 13 cs, Manila; 15 cs, Hongkong; 5 cs, Hoegh Merchant, Manila; 1 crt, Mariposa, Australia
COALTAR—1 cs, President Pierce, Chengtu
COCOA BEANS—125 sks, Mariposa, Australia
COLOR, DRY—10 bbls, Mariposa, Australia; 50 kgs, Siamese Prince, Manila
DENTAL PLASTER—6 dms, President Pierce, Keizyo; 9 dms, Mariposa, Australia
DENTIFRICE—15 cs, President Pierce, Hongkong; (Hoegh Merchant) 26 cs, Singapore; 3 cs, Saigon
DRESSING, SHOE—5 cs, President Pierce, Manila
DYES—4 kegs, Besholt, Manila
EGG YOLK, POWD—2 bbls, City of Los Angeles, Cristobal
ETHER—10 cs, Tweedbank, China
FILTER PAPER—3 cs, Hoegh Merchant, Manila
FIRECLAY—100 sks, President Pierce, Manila
FLYSPRAY—(Hoegh Merchant) 55 cs, Singapore/Penang; 23 cs, Macassar
FORMALDEHYDE—1 cs, President Pierce, Chengtu
FLAXSEED—543 sks, Mariposa, Australia
FURFURAL SOLUT—1 cs, Mariposa, Australia
GASOLINE—50 dms, Hoegh Merchant, Manila; 200 dms, Richmond, Vancouver; 16,400 bbls, District of Columbia, Vancouver; 250 bbls, Besholt, Hongkong; 10,064 bbls, Edwy R Brown, Sydney/Melbourne
GINGER ROOT—20 sks, Mariposa, Australia
GLUCOSE—(President Pierce) 20 bbls, Cebu; 120 bbls, Manila
GLUE, ANIMAL—1 dm, Mariposa, Australia
GRAPHITE—2 pls, President Pierce, Manila
GREASE, LUBRIC (Hoegh Merchant) 1 dm, Bombay; 1 cs, Palembang; 25 pls, Bahrein; 10 dms, Singapore; 16 dms, Sourabaya/Samarang; 5 dms, Kuala Lumpur; 5 dms, Penang; 55 dms, 115 pls, 33 cs, Kingsley, Vancouver; 115 pls, 44 cs, 68 dms, Richmond, Vancouver; 70 dms, Mariposa, Australia
HOPS—396 bls, Mariposa, Australia
INK—1 cs, Mariposa, Australia
PRINTING—(President Pierce) 25 pls, 5 dms, 13 cs, Manila; 16 dms, Shanghai; (Kingsley) 2 bbls, 1 dm, 3 pls, Vancouver; 6 dms, Victoria; 141 dms, 20 pls, Tatuno, Valparaiso
INSECTICIDE—1 cs, President Pierce, Shanghai; 3 dms, Hoegh Merchant, Basrah; (Mariposa) 2 cs, Australia; 1 cs, Papua
DRY—6 cs, Wales, Mexico; 4 cs, Brandanger, Argentina
LIQUID—5 cs, Vitus Bering, Puerto Armuelles; 138 cs, Hoegh Merchant, Ras Tanura; 10 cs, Richmond, Vancouver; 1 dm, Mariposa, Australia
KELP—40 sks, President Pierce, Hongkong
KEROSENE—475 tons, Glaucus, Hongkong; 300 cs, Wales, Puntarenas; 2,180 bbls, Edwy R Brown, Sydney-Melbourne
POWER—15,825 bbls, Edwy R Brown, Sydney-Melbourne
LACQUER—2 cs, Kingsley, Vancouver
LEAD ARSENATE—175 cs, Mariposa, Tasmania
RED—4 bbls, Siamese Prince, Manila
WHITE, DRY—84 bbls, President Pierce, Manila
LEMON PEEL—3 cs, President Pierce, Manila
LITHARGE—6 dms, President Pierce, Manila
LOGWOOD EXTRACT—6 kgs, President Pierce, Osaka
MEAT CURING POWDER—1 dm, Mariposa, Australia
MEDICINAL PREPS—19 cs, President Pierce, Manila; 4 cs, Siamese Prince, Manila
MILK POWDER—(President Pierce) 6 bbls, Manila; 7 bbls, Shanghai
SUGAR—112 bbls, Birmingham City, England
MINERAL SPTS—526 dms, 20 cs, Wales, Chile; 290 dms, Brandanger, Chile; 50 dms, Besholt, Manila
MOLYBDENITE CONC—334 bdls, Taiyo, Yokohama
MOTOR SPTS—(Edwy R Brown) 10,515 bbls, Suva; 61,471 bbls, Sydney-Melbourne
NITROUS OXIDE—1 crt, Tweedbank, China
OIL—2 cs, President Pierce, Tokyo
CHINAWOOD—27 dms, Brandanger, Argentina
COCONUT—6 bbls, Mariposa, New Zealand
CYLINDER—1,990 bbls, Tweedbank, China
DIESEL—(Erling Brovig) 21,273 bbls, Dairen; 30,967 bbls, Shanghai; 32,374 bbls, Zuiyo, Shimotsu; 3,511 bbls, Besholt, Shanghai; (Wales) 1 dm, Peru; 1 dm, Chile
FISH—(Moveria) 12 dms, Liverpool; 4 dms, London
FISH, HARDENED—200 sks, Wales, Peru
GAS—(Hoegh Merchant) 3,330 bbls, Manila; 3,330 bbls, Cebu
FUEL—40,000 bbls, Montebello, Vancouver; 2 cs, Besholt, Shanghai
LUBRICATING—25 dms, President Pierce, Manila; (Hoegh Merchant) 46 dms, Colombo; 110 dms, Cebu; 35 dms, 15 cs, Iloilo; 100 dms, Sourabaya-Batavia; 456 dms, 40 cs, Bombay; 247 dms, Bahrein; 3 dms, Penang; 275 dms, Madras; 105 dms, Rangoon; 25 dms, Karachi; 210 dms, Singapore; 55 dms, 5 qtr dms, Sourabaya-Samarang; 65 dms, Kuala Lumpur; 225 dms, Penang; 10 dms, Macassar; 400 dms, Saigon; 3 dms, Kingsley, Vancouver; 21 dms, City of Los Angeles, San Fernando; 488 dms, Richmond, Vancouver; (Mariposa) 1 dm, Tongan Islands; 594 dms, Australia; 12,506 bbls, Edwy R Brown, Sydney-Melbourne; 4,179 bbls, Erling Brovig, Shanghai; 13,118 bbls, 80 dms, Tweedbank, China; 70 dms, Brandanger, Argentina; (Siamese Prince) 810 dms, Saigon; 400 dms, 50 cs, Hongkong; 70 dms, 10 cs, Manila; 250 dms, Besholt, Manila; (Wales) 30 cs, 12 dms, Peru; 75 dms, Chile
MINERAL—10 cs, 1 dm, Richmond, Vancouver
SPRAYING—1 dm, 7 cs, Brandanger, Argentina; 2 dms, Wales, Chile
PAINT—(President Pierce) 1 cs, Shanghai; 140 kegs, 47 cs, Manila; 20 pls, Hongkong; 2 cs, Baguio; (Mariposa) 12 cs, Australia; 1 cs, New Zealand; 20 pls, Tatuno, Valparaiso; 20 pls, 6 cs, Brandanger, Peru; 28 cs, Siamese Prince, Manila; 22 cs, 6 dms, Besholt, Manila; 1 cs, Goyo, Cuba
CASEIN—1 keg, President Pierce, Baguio
COPPER—1 cs, Mariposa, Samoa
ENAMEL—1 cs, Kingsley, Vancouver; 2 cs, Mariposa, Samoa
LIQUID—65 kegs, 1 dm, 18 cs, President Pierce, Baguio
PASTE—35 kegs, President Pierce, Tokio
PREPARED—1 cs, Siamese Prince, Manila; 5 dms, Mariposa, Australia
METAL—80 pls, Hoegh Merchant, Bahrein
THINNER—5 dms, Richmond, Vancouver
PARAFFIN—200 sks, Kingsley, Vancouver
PASTE, LINOLEUM—4 cs, Kingsley, Vancouver; 20 dms, Mariposa, New Zealand
PETROLEUM—1 cs, Hoegh Merchant, Penang; 66 cs, Richmond, Vancouver; 19 dms, Mariposa, Australia
CRUDE — 85,000 bbls, Akatuki, Yokosuka; 73,000 bbls, Thorshavn, Shellburn; 26,000 bbls, Zuiyo, Japan
GAS, LIQ—20 cyls, Hoegh Merchant, Bahrein
PRODUCTS—1 dm, Richmond, Vancouver
REFINED — 4,944 bbls, Edwy R Brown, Sydney-Melbourne
PHARMACEUTICALS—(President Pierce) 14 cs, Shanghai; 14 cs, Hongkong
PIMENTO—16 sks, Mariposa, Australia
POLISH—6 cs, Hoegh Merchant, Iloilo; (Kingsley) 20 cs, Vancouver; 9 cs, Victoria; 5 cs, Richmond, Vancouver; 10 cs, President Pierce, Manila

POTASH CARBONATE—2 sks, Kinksley, Vancouver
PERMANGANATE—3 dms, Hoegh Merchant, Manila
XANTHATE—1 dm, Wales, Peru
PUTTY—10 dms, President Pierce, Manila; 1 cs, Mariposa, Fiji Islands
QUICKSILVER—1 cs, President Pierce, Manila
RESIN, SYNTH—1 cs, President Pierce, Cebu; 14 dms, Mariposa, Australia
ROSIN—39 dms, Mariposa, Australia
RUST PREVENTATIVE — 1 crt, Mariposa, Australia
SALT—518 tons, 2,640 sks, Kingsley, Vancouver
SARDINE MEAL—250 sks, Hoegh Merchant, Manila
SILICA SAND—1 cs, President Pierce, Manila
SILICON, POWD — 5 cs, President Pierce, Shanghai
SOAP, CHIP—1 bbl, Kingsley, Vancouver
LAUNDRY—500 cs, City of San Francisco, Curacao; 250 cs, Besholt, Manila
TOILET—(President Pierce) 1,000 cs, Shanghai; 263 cs, Hongkong; 3 cs, Manila; 3 cs, Tientsin; 2 cs, Mariposa, New Guinea; (Siamese Prince) 500 cs, Shanghai; 500 cs, Manila
SODA—(President Pierce) 60 cs, Hongkong; 20 cs, Shanghai
CAUSTIC—14 dms, Goyo, Nicaragua
SILICATE—2 dms, Mariposa, New Zealand
SULPHITE—2 dms, Kingsley, Vancouver
XANTHATE—(Kingsley) 160 dms, Flin Flon; 320 dms, Kimberley; 43 dms, Wales, Bolivia
SOLVENT, PETROLEUM — 100 dms, Richmond, Vancouver
SULPHUR, ATOMIC — 143 kegs, Mariposa, Tasmania
DIOXIDE—1 cyl, President Pierce, Kobe
FLOWERS—224 sks, Besholt, Shanghai
TALLOW—100 dms, City of Los Angeles, Panama
TOILET PREPS — (President Pierce) 17 cs, Manila; 2 cs, Tientsin; 4 cs, Hoegh Merchant, Cebu; (Mariposa) 1 cs, Fiji Islands; 2 cs, New Guinea; 1 cs, Samoa
TREE WASH—30 dms, 50 pls, Mariposa, New Zealand
WASH, DRY—40 cs, Mariposa, Australia
VARNISH — 5 cs, 1 dm, President Pierce, Baguio; (Mariposa) 1 cs, Samoa; 6 pls, Australia
WAX, FLOOR—1 dm, Mariposa, Australia
PASTE—21 cs, Hoegh Merchant, Ras Tanura
YEAST—(President Pierce, 120 cs, Kobe; 50 cs, Yokohama
XANTHATE—4 dms, Vancouver, Callao
ZINC DUST—200 dms, Mariposa, Australia; 110 cs, Vancouver, Coquimbo
OXIDE—35 bbls, Mariposa, Australia
SULPHATE—1 cs, President Pierce, Baguio

Savannah Exports

Clearance Dates

City of Lille, July 23; Heronspool, July 21; Ivaran, July 24; Schoharie, July 21

CLAY—2,640 bgs, Schoharie, Manchester; 330 bgs, Heronspool, Hamburg
COTTON LINTERS—300 bls, Schoharie, Manchester
DEER TONGUE LEAVES—(Heronspool) 6 bls, Antwerp; 22 bls, Bremen City
GLUCOSE—(Ivaran) 250 bbls, Manila; 45 bbls, Iloilo; 30 bbls, Cebu
ROSIN, GUM—(Schoharie) 45 bbls, Liverpool; 170 bbls, Manchester; 617 bbls, Glasgow; 62 bbls, Hamburg; (Heronspool) 60 bbls, 150 dms, London; 687 bbls, Rotterdam; 2,569 bbls, Hamburg; 100 bbls, Ivaran, Tsingtao; 266 bbls, 200 dms, City of Lille, Shanghai
SIZE, DRY—23 bgs, Heronspool, Rotterdam
TURPENTINE, GUM—(Schoharie) 325 bbls, Liverpool; 350 bbls, Manchester; 200 bbls, Glasgow; 50 bbls, Hamburg; (Heronspool) 1,350 bbls, London; 410 bbls, Rotterdam; 50 bbls, Antwerp; 200 bbls, Hamburg

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—25,363 bbls, Pan Maryland, New York; 90,650 bbls, Cerro Azul, Baytown; 87,397 bbls, Cerro Ebano, Baytown; 80,276 bbls, Christy Payne, Baytown
KEROSENE—16,691 bbls, Cerro Azul, Baytown; 20,796 bbls, Cerro Ebano, Baytown
OIL, FUE—80,804 bbls, David McKelvey, Baltimore; 48,819 bbls, Cassimir, New York
GAS—69,535 bbls, Watertown, New York; 50,029 bbls, Pan Maryland, New York
PETROLEUM, CRUDE—48,151 bbls, Dannedaike, Texas City; 133,830 bbls, Beta, Texas City; (Federal) 31,885 bbls, Baytown; 30,100 bbls, Houston; 74,377 bbls, Dungannon, Port Neches; 71,986 bbls, Thomas H Wheeler, Baytown; 121,680 bbls, Esso New Orleans, Baytown; 144,768 bbls, G Harrison Smith, Baytown; 77,893 bbls, Geo H Jones, Baytown; 80,440 bbls, Dean Emery, Baytown; (Paco) 57,040 bbls, Baytown; 51,248 bbls, Texas City; 42,443 bbls, Gulfstate, New York; 73,524 bbls, Olean, New York; 112,913 bbls, J A Moffitt, Jr, Baytown
OIL, DIESEL—2,924 bbls, San Diegan, San Diego; 6,980 bbls, Mojave, Portland; 17,870 bbls, Huguenot, San Francisco; 1,437 bbls, San Diegan, San Diego
FUEL—2,932 bbls, Mojave, San Francisco; 2,410 bbls, Coast Merchant, Portland; 7,472 bbls, Mojave, Portland; 52,476 bbls, Neches, San Diego
FURNACE—3,585 bbls, Mojave, San Francisco; 2,452 bbls, Mojave, Portland
PETROLEUM, CRUDE — 34,485 bbls, La Purisima, Oleum; 73,571 bbls, Los Angeles, Oleum
SOLVENTS—22,012 bbls, Utacarbon, Paulsboro

Los Angeles Coast Trade

GASOLINE—71,129 bbls, Mojave, San Francisco; 21,734 bbls, San Diegan, San Diego; 19,087 bbls, La Purisima, Seattle; 75,900 bbls, Camden, Seattle; 73,545 bbls, Dirigo, San Francisco; 12,746 bbls, Warwick, Port San Luis; 65,574 bbls, Mojave, Portland; 60,614 bbls, Huguenot, San Francisco; 3,700 bbls, San Diegan, San Diego; 72,840 bbls, Occidental, Bayonne

Recent Charters

CREOSOTE—4,330 tons, S S Panam, one port United Kingdom to one port United States Atlantic, £2,050
PETROLEUM—4,891 tons, S S Grene, clean, Gulf to Antwerp, 10s 6d; August
2,644 tons, S S Athene, clean, Bahrein to United Kingdom, Continent; September
744 tons, S S Moira, lubricating oil, Philadelphia to London-Liverpool, 15s; August
—— tons, Tanker (Irver), Constanza to United Kingdom, Continent, 8s; August
4,351 tons, S S W F Burlell, kerosene, Gulf to North of Hatteras, 15c a barrel; July
5,678 tons, S S Sveadrott, dirty, Gulf to Havre, 9s 6d; July-August
—— tons, Tanker, clean, one year voyages Gulf to North of Hatteras; September
4,013 tons, S S American Trader, gasoline, Gulf to North of Hatteras, 15c a barrel; August
SALT—2,737 tons, S S Aegeus, Oakland, Calif, to Japan, basis one port loading @ $5, free loading

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended August 2

Balsam, medicinal, 20 cases; restricted use.
Codliver oil, 100 drums; deficient in vitamin D.
Cod oil, 165 drums; restricted use.
Eucalyptus oil, 10 drums; restricted use.
Glucose, ampoules, 3 packages; not N.F.
Mace, 12 cases; insect-infested.
Medicinal preparations, 1 parcel; new drug.
Medicinal preparations, 4 packages; false therapeutic claims.
Nutmegs, 220 bags; restricted use.
Pimento berry oil, 1 case; spurious.
Sesame seed, 131 bags; filthy.
Yeast, dried, 21 bags; contains arsenic.
Coriander seed, 100 sacks; filthy.

Atlanta

Week Ended August 2

Medicinal preparation, 1 case; new drug.

Boston

Week Ended August 2

Hair dye, 1 package; no caution statement.
Medicinal preparation, 1 package; false therapeutic claims.
Stramonium leaves, 41 bales; not U.S.P.

Buffalo

Week Ended August 2

Medicinal preparation, 1 package; false therapeutic claims.
Medicinal preparation, 1 package; new drug, dangerous drug, false therapeutiic claims.

Los Angeles

Week Ended July 20

Sesame Seed, 11,200 lbs.; filthy.

Philadelphia

Week Ended August 2

Hair dye, 1 package; no caution statement.

San Francisco

Week Ended July 20

Medicinal, 88 pieces; false therapeutic claims.

Seattle

Week Ended July 20

Celery seed, 29 bags; filthy.
Cocoa beans, 350 bags; moldy.
Medicinal, 569 pieces; false therapeutic claims; new drug.

Crude Oil Daily Output Down

The daily average gross crude oil production in the United States during the week ended July 29 was 3,539,100 barrels, a decline of 44,650 from the 3,583,750 in the preceding week, according to the American Petroleum Institute. A decline of 46,000 barrels in the average daily output of Oklahoma was the most important change. Stocks of gasoline at the close of the week were 77,887,000 barrels, a decline of 73,000 from the 77,960,000 at the end of the previous week. A year ago these stocks were 76,977,000 barrels. Finished gasoline stocks decreased 150,000 barrels to 71,716,000 and they compare with 70,450,000 on July 29, 1938.

German petroleum production during the first five months of 1939 totaled 2,097,159 barrels, an increase of 527,234 barrels over the corresponding period of 1938.

J. Fred Miles, vice-president and general manager of the Louisville Petroleum Refining Company, Louisville, has been appointed a member of the Kentucky State Racing Commission.

Cargo Ship Arrivals

July 29 to August 11

New York

American Banker	London	Aug 7
American Farmer	London*	Aug 1
American Importer	Manchester*	Aug 7
Amsterdam	Valparaiso*	July 31
Angelina	San Juan	Aug 7
Aquitania	Southampton*	Aug 1
Astrea	Maracaibo*	Aug 7
Ayuruoca	Santos*	Aug 10
Bacchus	Maracaibo	Aug 4
Baghdad	London	July 31
Batory	Gdynia*	Aug 2
Belvedere	Genoa*	Aug 2
Bilderdijk	Rotterdam*	Aug 10
Black Falcon	Rotterdam*	July 31
Black Heron	Rotterdam*	Aug 5
Black Tern	Rotterdam*	Aug 8
Bonfleur	Rosario*	Aug 10
Borinquen	Trujillo*	July 31
Braganza	Cochin	Aug 10
Brazil	Buenos Aires*	Aug 7
Bremen	Bremen*	Aug 10
Caraibe	Havre	Aug 7
Carolina Thorden	Kotka*	Aug 2
City of N'wp'rt News	San Francisco*	Aug 1
Clement	Bahia*	Aug 11
Comliebank	Calcutta*	Aug 8
Crispin	Pernambuco*	Aug 2
Cubano	Ibicuy*	Aug 7
Deutschland	Hamburg*	Aug 11
Donald McKay	Leningrad*	Aug 7
Dundrum Castle	Beira	Aug 6
East Indian	Buenos Aires*	Aug 2
Eastern Prince	Buenos Aires*	Aug 1
Emile Francqui	Antwerp*	Aug 1
Ewa	Honolulu*	Aug 5
Exermont	Constanza*	Aug 8
Excalibur	Beirut*	Aug 9
Exmouth	Constanza*	Aug 7
Fort Townshend	St John's*	Aug 2
Frida	Valparaiso*	Aug 1
Greylock	Mombasa*	July 27
Gudrun Maersk	Istanbul*	Aug 11
Hansa	Hamburg*	Aug 4
Helgoland	Rosario*	July 31
Hellen	Malaga*	Aug 4
Horace Luckenbach	Seattle*	Aug 3
Ida	Trieste*	Aug 7
Ile de France	Havre*	Aug 7
Ingria	Marseilles*	Aug 10
Ingrid Thorden	Finland	Aug 11
Jefferson Myers	Seattle*	Aug 5
Kaikoura	Brisbane*	Aug 9
Kimikawa	Yokohama*	Aug 4
Knoxville City	Honolulu*	Aug 5
Korsholm	Uleaborg*	Aug 2
Kota Pinang	Macassar*	Aug 8
Kungsholm	Gothenburg	Aug 11
Kurama	Manila*	Aug 10
Laila	Valparaiso*	Aug 10
Luna	Maracaibo*	July 31
Manuela	San Juan	July 31
Marwarri	Calcutta*	Aug 4
Maui	San Francisco*	Aug 6
Mercier	Antwerp	Aug 9
Metapan	Puerto Barrios*	Aug 3
Mexico	Vera Cruz*	Aug 1
Minnesotan	Tacoma*	Aug 8
Monterey	Vera Cruz*	Aug 8
Mormacmar	Buenos Aires*	July 31
Munargo	Havana*	Aug 3
Nako	Kobe*	Aug 6
Nieuw Amsterdam	Rotterdam*	Aug 10
New Orleans	Manila*	Aug 9
Nordkap	Buenos Aires*	Aug 1
Normandie	Havre*	July 31
Oakmar	Longview*	Aug 2
Panama	Cristobal*	Aug 5
Panuco	Tampico*	Aug 4
Pennland	Antwerp	Aug 1
Pennsylvanian	Seattle*	Aug 4
Peter Maersk	Manila*	Aug 11
Phemius	Batavia*	Aug 6
President Polk	Honolulu*	Aug 1
Queen Mary	Southampton*	Aug 7
Republic	San Francisco*	Aug 4
Samaria	Liverpool*	Aug 7
San Bernardina	Seattle*	Aug 7
San Jacinto	San Juan	Aug 2
Santa Clara	San Antonio*	Aug 1
Santa Elena	Barranquilla*	Aug 8
San Juan	San Juan	Aug 7
Santa Maria	San Antonio*	Aug 8
Santa Paula	Barranquilla*	Aug 2
Scanyork	Gdynia*	July 31
Schodack	Dunkirk*	July 31
Seatrain Havana	New Orleans*	Aug 1
Silversandal	Shanghai*	Aug 9
Sorholt	Manila*	July 31
Southfolk	Bergen*	July 31
Statendam	Rotterdam*	Aug 1
Susan V Luckenbach	Seattle*	Aug 10
Tai Shan	Manila*	July 31
Talamanca	Barranquilla*	Aug 3
Transylvania	Glasgow*	Aug 6
Veragua	Port Limon*	Aug 6
Vigilant	Copenhagen	Aug 7
Virginian	Oakland*	Aug 1
Washington	Hamburg*	Aug 3
West Isleta	Capetown*	Aug 11
West Lashaway	Grand Bassam*	Aug 8
West Notus	Seattle*	Aug 3

* And other ports

Obituaries

Glenn H. Pickard

Glenn H. Pickard, widely-known paint, oil and varnish consultant, died recently in Wilmette, Chicago suburb. He was sixty years of age.

Born in Wilson, N. Y., Mr. Pickard received his early education in Cleveland, and was graduated in 1904 from Columbia University with a B.S. in chemistry. He started his business career with the Glidden Company, Cleveland, remaining until 1905 when he became associated with Charles B. Jacobs, New York, as a chemist. Later he joined the Columbia University staff as an assistant to professor of industrial chemistry. In 1906 he became affiliated with Spencer Kellogg & Sons, Buffalo, as chemist and superintendent of refineries. In 1911 he became associated with George D. Wetherill & Co., Philadelphia, as chemist and superintendent. A year later he was made manager of the South Chicago plant and special oils department of the American Linseed Company, remaining with that organization until 1916, the year in which he established his own business as consulting chemist and chemical engineer. Surviving are his wife, two sons and a daughter.

Arthur W. Sewall

Arthur Wollaston Sewall, who resigned as president of the General Asphalt Company, now the Barber Asphalt Corporation, Philadelphia, in 1936, after serving the company thirty-eight years, died in his Summer home in Jaffrey, N. H., August 1. He was seventy-eight years of age.

Born in Mobile, Ala., Mr. Sewall, after a high school education, engaged in mining in Colorado and Missouri before going to Philadelphia in 1898 to join the General Asphalt organization. He was made president of the company in 1912, serving in that capacity until March, 1936, when he was made chairman of the board. He resigned as chairman a few months later because of ill health. Mr. Sewall was a director of the Federal Reserve Bank, Third District; Baldwin Locomotive Works, Insurance Company of North America, Mutual Assurance Company, American Pulley Company, Midvale Steel Company of Pennsylvania, and was a council member of the Pan-American Society, Inc. His clubs were the Philadelphia and Mid-Day.

Ernest H. Baldwin, former chief construction engineer for the Sinclair Oil Company, died in Springfield, Mo., July 28. He was seventy-three years of age.

John M. Burke, jr., Southern credit manager for the Virginia-Carolina Chemical corporation, fertilizers and chemicals, Richmond, died following an apoplexy stroke July 26. Mr. Burke had been with the company for many years and prior to 1934 managed its Jacksonville sales office. He was forty four years of age.

Frederick Kretz Cameron, assistant secretary and treasurer of the Phelps Dodge Corporation and Phelps Dodge Refining Corporation, this city, died in his home in Rockville Center, L. I., July 28, after a brief illness. He was fifty nine years of age. He has been affiliated with the Phelps Dodge organization in various capacities since 1900. Surviving are his wife and two sons.

George Henry Downing, former president of the Columbia Extinguishers Company, manufacturer of fire extinguishers, died August 2 in his home in Tompkinsville, S. I., after a long illness. He was eighty-three years of age.

George Arthur Gauthier, president of Safloor Company, manufacturer of a floor cleaning compound, Danbury, Conn., died unexpectedly August 1. He was formerly an executive of the Remington Arms Company, Bridgeport, Conn.

Ferdinand A. Geiger, who retired from the Federal bench last May, and before whom the American Cube Syndicate and Agicide Corporation patent case was tried, died in his home in Milwaukee July 31. He was seventy-one years old.

Charles Blair Gordon, president of the Dominion Glass Company, Ltd., Montreal, died July 30.

James Jenkins, former head of the Jenkins Paint and Oil Company, Norfolk, died July 27 in his home following a long illness. He was seventy-two years of age. Surviving are his wife, a daughter and a son.

John Harvey Lovell, widely known botanist and scientist, died in Sanford, Me., August 2. He was seventy-eight years of age.

John McCulloch, head operating engineer of the Passaic Valley Water Commission, died in his home in East Orange, N. J., August 3. He was sixty-seven years of age.

George Moore, mining engineer and inventor, died in his summer home in Southampton, L. I., July 28 after an illness of several weeks. He was seventy years of age. He was credited with the invention of a process for gold extraction used in mines throughout the world. He was president of the Pure Water Service Company, Westchester, N. Y., founded on one of his inventions.

Harry S. Winne, vice-president and a member of the directorate of the Boston Varnish Company, Everett, Mass., died unexpectedly in his summer home in Ocean Park, Me., July 29. Mr. Winne joined the Boston Varnish Company as a salesman in 1910, and was made a vice-president of the company some fifteen years ago. Surviving are his wife, two sons and a daughter.

Oils, Fats and Waxes

Waxes

—Continued from page 51

Bees.—New price developments were lacking. The market was steady in the main with demand holding at recent volume and values showing a tendency to shape themselves to the mould of consuming request. Crude wax was firm at all points. Refined yellow and bleached waxes were in very fair request.

Candelilla.—Undertones were steady to firm but trade was fairly slack, consisting mainly of the needs of smaller buyers. Prices held free from quotable change.

Carnauba.—Moderate demand prevailed. Distant futures were quoted in Brazil at prices quite a bit under the values demanded for prompt shipment goods, but the true position of the new crop remained to be developed and in the meanwhile consumers and dealers alike seemed to be marking time and awaiting further unfolding of the situation. Local quotations were reasonably steady since there was not much of a surplus supply in local godowns.

Japan.—The market was notable mainly for its lack of cables. Apparently, the advance in replacement costs reported toward the end of the previous week has been well maintained at the source. Certainly was the spot rise maintained. Furthermore, there did not seem to be much unsold wax available on the spot.

WAXES
Choosing the proper container for your product and making sure that it is easy to fill, pack, and ship is important.
For this reason Continental shows here a variety of cans available in different sizes which are admirably suited for the packing of waxes of all kinds.
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(Continued from July 31 issue)

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Ethyl carbanilate
Ethyl carbonate
Ethyl dicresylphosphate
Ethyl dinaphthylphosphate
Ethyl diphenylphosphate
Ethyl ether
Ethyl formate
Ethyl lactate
Ethyl metanitroparamidobenzoate
Ethyl oleate
Ethyl oxalate
Ethyl oxanilate
Ethyl oxybutyrate
Ethyl palmitate
Ethyl paratoluenesulphonate
Ethyl phosphate
Ethyl phthalamate
Ethyl phthalate
Ethyl phthalonate
Ethyl pimelate
Ethyl proprionate
Ethyl salicylate
Ethyl sebacate
Ethyl stearate
Ethyl suberate
Ethyl trichlorisobutylacetylsalicylate
Ethyl trichlorisopropylacetylsalicylate
Ethylacetanilide
Ethylanilide
Ethylanilide phosphate
Ethylenechlornydrin
Ethyleneglycol
Ethyleneglycol butylether
Ethyleneglycol isoamylether
Ethyleneglycol isobutylether
Ethyleneglycol isopropylether
Ethyleneglycol methylether
Ethyleneglycol monoacetate
Ethyleneglycol monoethylether
Ethyleneglycol monoethylether acetate
Ethyleneglycol monoethylether formate
Ethyleneglycol monoethylether phthalate
Ethyleneglycol monoethylether phthalate
Ethyleneglycol propylether
Ethylether acetate
Ethylglycerolchlorhydrin
Ethylglycol
Ethylglycol acetate
Ethylidene acetoacetate
Ethylidene acetobenzoate
Ethylidene diacetate
Ethylideneglycerol
Ethyldieneglycolglycerol
Ethylnaphthyl ether
Ethylparatoluenesulphoethylanilide
Ethylpentachloroanilide
Ethylphenylurea
Ethyltetrachloroanilide
Ethylthioether with ethanol
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Formanilide
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Methyl benzoate
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Methyl carbonate
Methyl formate
Methyl fuorate
Methyl lactate
Methyl oleate
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Methyl oxanilate
Methyl palmitate
Methyl phosphate
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Methyl stearate
Methyl suberate
Methylacetanilide
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Methylanilide
Methylanilide phosphate
Methylanilin
Methylanone
Methylcyclohexylacetate
Methylbenzyl ether
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Methylcellosolve
Methylcellosolve acetate
Methylcyclohexanol
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Methylcyclohexanol betamethyladipate
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Methylcyclohexanol phthalate
Methylcyclohexanol stearate
Methylcyclohexanone
Mehylcyclohexanyl acetate
Methylcyclohexyl acetate
Methylcyclohexylcarboxylic acid
Methyl-3:4-diamidobenzoic acid
Methyldicresyl phosphate
Methyldinaphthyl phosphate
Methyldiphenyl
Methyldiphenylurea
Methyleneglycerol
Methylenethylenic glycerol
Methylethenyltrichloroamidin
Methylethyl ketone
Methylethyleneglycol
Methylfurol
Methylglycol
Methylglycol acetate
Methylhexalin acetate
Methylhexyl ketone
Methylideneglycol
Methylisobutyl ketone
Methylisopropylcyclohexanone
Methylketobutanol
Methylnaphthyl ether
Methylnaphthyl ketone
Methylnaphthylamine
Methyloxynaphthyl ketone
Methylphenyl ether
Methylphenylurea
Methylphenylurethane
Methylpropyl ether
Methyltetrachloranilide
Methyltrichloranilide
Methylthioether with ethanol
Methylurea nitrate
Mixed higher esterified alcohols and their derivatives
Monoacetin
Monoacetochlorhydrin
Monochlorobenzylidene diacetate
Monochloronaphthalene

(To be continued)

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

PHILADELPHIA DISTRIBUTOR of high standing now representing nationally known manufacturers of heavy chemicals desires to secure the representation of other products. Sales organization covers all industry, including textile, leather and laundry. Write in full detail. BOX 474, Oil, Paint and Drug Reporter.

Capital Offered

IF COLOR manufacturer wants capital, am willing to listen to any proposition. Know the business. BOX 481, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mil's, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FROM PLANT liquidations:—Six 900 gals. closed, agitated jack. kettles; 3,000 pound jack. horiz., steel powder mixer, 20 h.p. motor driven; Tolhurst 32-inch rubber lined centrifugal; two 6-foot diameter Buffalo vacuum crystalizers; jacketed agitated vacuum stills, 25 to 2,000 gals., glass lined and steel; glass lined and steel storage tanks; 3 ft. by 15 ft. rotary vacuum dryer; Hardinge mill, 6 ft. by 36 in.; pebble and jar mills to 250 gals. capacity; filter presses to 36 in. square; Stedman 42 in. disintegrator; tablet machines, ½ in. to 2 in., single punch and rotary. Mixers, crushers, pulverizers, roller mills, etc. Send for complete listings. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

LABORATORY MODEL homogenizer, must be in good condition at low prices; also small tube filling and closing machine, hand operated only. State prices in first letter. BOX 473, Oil, Paint and Drug Reporter.

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BRICK FACTORY, One-story, 40,000 sq. ft. concrete floor, 20 ft. headroom, sprinklers, 24-hour live steam available, railroad siding. Unrestricted district Brooklyn, subway 2 blocks. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Foreign Manufacturing

AMERICAN FIRM, situated in Buenos Aires desires negotiation with reliable concern to manufacture and sell on commission basis chemical products. Owns and has available some 12,000 square feet for manufacturing. All formulas and patents would be fully protected. Sahlin and Cia, Calle Belgrano 1921, Buenos Aires, Argentina. Preliminary consultation may also be made with N. A. Sahlin, State Street and Pierce Avenue, Camden, New Jersey.

Manufacturing Wanted

PAINT & CHEMICAL specialty plant located outside Newark, N. J., would like to contact manufacturers and jobbers desiring to reduce costs and insurance premiums on nitrocellulose solutions, lacquers, thinners, paint removers (noninflammable if desired). Equipped for custom cutting and to manufacture anything in solvent lines; cost plus basis. BOX 475, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED:—A salesman about 35 with fundamental knowledge of chemistry and successful selling record of pigments or chemicals to paint or rubber trade. Good opening with whiting manufacturer in middlewestern territory. BOX 478, Oil, Paint and Drug Reporter.

CHEMIST WANTED, thoroughly experienced manufacture and application all types driers and dispersion agents. Good salary, excellent opportunity. BOX 480, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMAN WANTED for eastern territory to represent manufacturer selling to varnish, lacquer, linoleum and allied lines. Prefer young technical graduate with some experience in both selling and laboratory. Moderate salary to start. Fine opportunity for future. BOX 482, Oil, Paint and Drug Reporter.

CHEMICAL AND PIGMENT salesmen for midwest territory. Chemical training preferred but not essential. State fully experience, age, salary expected. A man familiar with rubber manufacturing trade and another with paint manufacturing industry is satisfactory. BOX 479, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL CHEMIST—Ph. D. in pharmaceutical chemistry available immediately. Young, experienced in all branches of manufacturing pharmacy, capable of assuming complete charge of manufacturing or research. Excellent references. BOX 469, Oil, Paint and Drug Reporter.

PHARMACEUTICAL Production Chemist and Pharmacist, seven years experience in manufacturing, control, development, research and production. Excellent references. Available at once. BOX 476, Oil, Paint and Drug Reporter.

PAINT MAN—Executive type, experienced to promote and develop sales in Metropolitan New York. Connections, Trade Sales, Industrial and Maintenance. Qualifications fifteen years with National manufacturer, ten years ass't. sales manager. Best references. BOX 477, Oil, Paint and Drug Reporter.

CHEMIST—Graduate A. B. degree; working on M.A.; expansive experience in lacquers, coatings and adhesives, wishes connection with large firm; salary no object. BOX 484, Oil, Paint and Drug Reporter.

Positions Wanted

RESEARCH - DEVELOPMENT executive chemist—Man with imagination and ability to work. Can develop new products and new methods. Has made enough mistakes to now profit by them. Has done research, development and executive work in by-product recovery, oils and textiles. Has patents, publications and test methods. Desires a position where vision, horse sense and technical ability can be used and rewarded. BOX 483, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

CHECK INVENTORIES—Cash for any quantity, surplus finished or raw materials—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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$3.50 COVERS trade-mark search and report! Registration for only $50! Complete trade-mark facilities. Foreign and Domestic trade-marks negotiated (fees vary). Thorough facilities for Patent Information! Prompt service assured. Techniservice, 16 South Mayfield, Chicago, Ill.

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2—Vallez Rotary Filters, 25 filter plates; about 450 sq. ft. of filtering surface.
1—Devine 3 ft. x 9 ft. Double Bronze Drum Rotary Vacuum Drum Dryer.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
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Many other attractive bargains.
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Hydraulic Presses, Pumps, Accumulators, Filter Presses, Cookers, 5-Roll Crushers, Cake Trimmers, Conveyors, Motors, Grinders, Disintegrators, Elevators, Bagging and Weighing Machines and General Factory and Office Equipment.
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Act at once.

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We will buy your idle or surplus machinery — single items to complete plants.
Send us a list of Kettles, Filter Presses, Dryers, Mixers, Roller Mills, Pulverizers, Crushers, Pumps, etc.

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SHOPS 335 Doremus Ave., Newark, N.J.

Bids Wanted

Acetylene Tetrachloride:—78,650 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 31, opening August 24.

Alcohol:—1,219 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 34, opening August 11.

Ammonia Perchlorate:—896 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 41, opening August 28.

Hexachlorethane:—5,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 41, opening August 28.

Kerosene:—Supplies of; U. S. Engineer Office, Mobile, Ala.; procurement 24, opening August 23.

Lead, White:—3,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; procurement 62, opening August 9.

Naphthalene, Flake:—13,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-10, opening August 14.

Oil, Fuel:—130,000 barrels for Norfolk, Va.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6936, opening August 10.
70,000 gallons; supplies; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 37, opening August 18.

Linseed:—620,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6916, opening August 15.

Lubricating:—Supplies of; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 37, opening August 18.

Paint Thinner:—Supplies for Eastern and Western yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6902, opening September 1.

Paraffin:—66,000 pounds, Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 31, opening August 24.

Soda Bichromate:—1,200 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 117, opening August 15.

Cyanide:—4,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 59, opening August 11.

Sulphate:—2,500 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 111, opening August 15.

Sponges:—8,000; Commanding Officer, Raritan Arsenal, N. J.; procurement 4, opening August 7.

Zinc Dust:—4,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 41, opening August 28.

U.S. Industrial Alcohol Ads To Be Handled by Hazard

The Hazard Advertising Corporation, this city, has been appointed agency for the industrial advertising of the U. S. Industrial Alcohol Company and its subsidiary, U. S. Industrial Chemicals, Inc. This change in agencies follows closely the resignation of Leslie S. Gillette as advertising and sales promotion manager for the U. S. Industrial Alcohol Company, who on August 1 joined the Hazard staff as executive vice-president. Mr. Gillette will be the agency contact representative on the account.

All manufacturing and selling activities of the U. S. Industrial Alcohol organization, with the exception of resins, are being conducted by U. S. Industrial Chemicals, Inc., a wholly owned subsidiary. This change of name designates more accurately the present nature of the U. S. I. organization's business and reflects also its greatly widened scope in the chemical field. The U. S. Industrial Alcohol Company manufactures widely diversified chemical products and supplies them to virtually every important industry using such chemicals in its processes.

Cosmetic Tax Change Applied from June 30

OPD Washington Bureau
August 3, 1939

The Bureau of Internal Revenue today ruled that the tax on sales of toilet preparations made June 30 may be included in the return for the month of July.

The revenue act of 1939, making changes in the toilet preparations tax which will result in a lower tax payment in some cases, became effective June 29. Returns for the tax on sales during the entire month of June were due by the end of July, and there was a question of whether sales made June 30 were taxable on the old basis or on the new basis. The decision published today treats June 30 as though it were a part of July and permits it to be included in the return due the end of August.

Officials of the bureau are still drafting regulations covering the new toilet preparations tax provision. It is understood that most of the important points have been agreed upon through conferences between the officials and representatives of the industry, and it is expected that the new regulations will be issued within a couple of weeks.

Confectionery Sales Lower

Sales of confectionery and competitive chocolate during June were off 3.5 percent from June, last year, and showed a decrease of 16.3 percent from May, according to the Department of Commerce reports from 210 firms. The dollar volume of these firms amounted to $12,771,000 during June, against $15,256,000 during May and $13,241,000 in June, last year. During the first six months of this year sales of these products, as reported by 204 firms, showed an increase of 0.9 percent over the like 1938 period.

SAILING ALONG IN A SHIPYARD . . .

Our new headquarters at 9th Street and East River Drive, N.Y., was formerly a gigantic shipyard . . . you can therefore visualize the tremendous area we now occupy. But the physical increase alone is not significant if it did not also mean a much wider scope of industries served, and a correspondingly greater measure of service.

ABOUT EQUIPMENT..

We could give you a long list of offerings like so many other concerns in this business. But to save you reading time, let it suffice to say New York's Largest Stock of Process Equipment surely includes the item you want, at the price you want to pay. Just send us your inquiry.

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FMC
9th St. & EAST RIVER DRIVE
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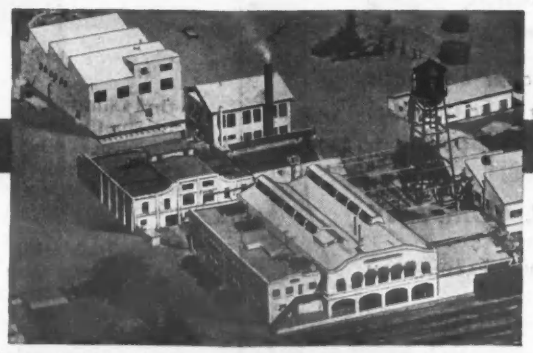
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